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SEED CATALOG



CHRYSANthemum MARIGOLDS. See Page 16.

Central Coal & Seed Company

715 Idaho Street

Phone 1

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Agriculture.



MARIGOLD GIGANTEA SUNSET GIANTS

Sunset Giants are large, fragrant, loosely formed flowers, full centered, broad petals, colors range from light yellow to deep orange. **Pkt. 15c.**

DELPHINIUM

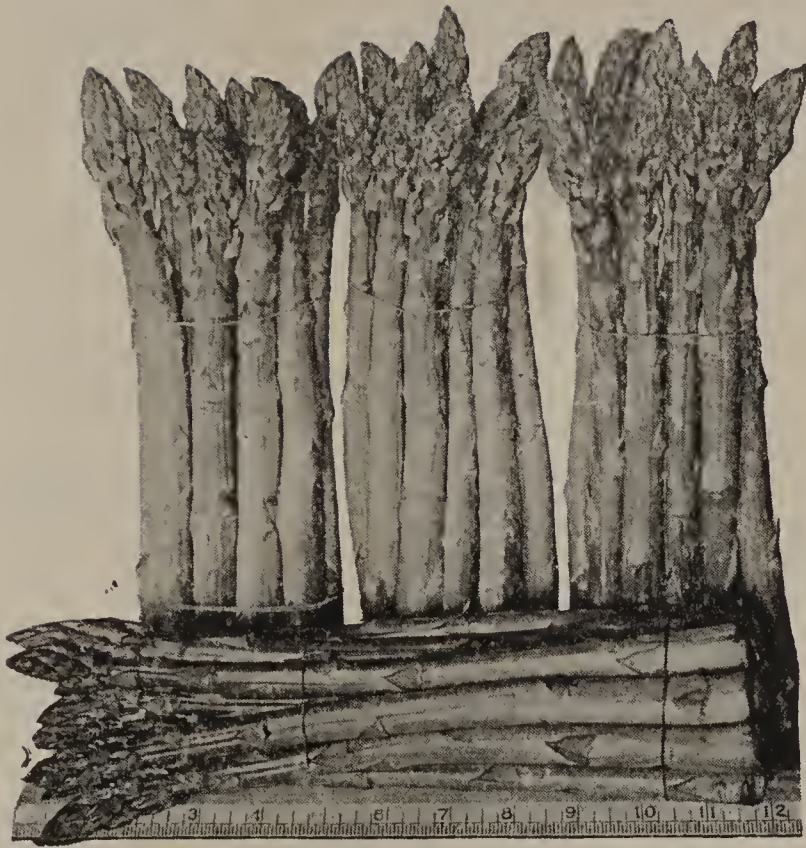
One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. Magnificent tall varieties which are stately and beautiful in front of a shrubby background. **Pkt. 25c.**



ZINNIA, LILLIPUT PASTEL MIXTURE

The neat, compact, symmetrical habit of these flowers together with their small size and stem length make them particularly fine for cutting. Consist of very lovely shades of apricot, peach, creamy yellow, shell pink, delicate salmon, light rose, and orchid. One of the early blooming types and very free flowering. **Pkt. 10c.**

VEGETABLE SEEDS



ASPARAGUS

1 oz. to 100 ft., 4 lbs. per acre.

When starting an Asparagus bed from seed, it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in Spring in rows about 18 inches apart, allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established, thin to about an inch apart. Hoe frequently during the Summer. The plants will be ready to set in a permanent bed the following Spring.

MARY WASHINGTON. A strain selected from Martha Washington. It is a little earlier and more vigorous than the original. The shoots are slightly ovoid in shape, firm and tender and richly flavored. **Pkt. 5c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00.**

BEANS

Dwarf beans, 1 lb. to 100 ft., 50 to 60 lbs. per acre.

Pole beans, 1 lb. to 100 ft., 30 to 35 lbs. per acre.

Lima beans, 1 lb. to 100 ft., 30 to 50 lbs. per acre.

Plant Beans after all danger of frost is past, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered 1 1/2 to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming; then stop to avoid injury to the roots. Root injury causes the blossoms to fall off. For succession, plant every 2 weeks until midsummer. Frequent picking of the crop insures long bearing.

Prices; Pkt. 10c; 1 lb. 25c; 10 lbs. \$2.00, except as otherwise noted.

Bush, Green Pod

BOUNTIFUL. An important early variety for the home garden or market garden crops. Plant is medium large, very prolific and thrifty. pods are flat, light green, stringless, slightly fibrous and of good quality. Seeds are of a yellow straw color.

DWARF HORTICULTURAL. Particularly desirable green shell and snap sort for home and market garden. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish yellow splashed with carmine. 5 to 5 1/2 inches long. Strictly stringless, slightly fibrous. Seeds plump oval, pinkish buff, spotted and streaked with purplish red.

STRINGLESS BLACK VALENTINE. Improved type of Black Valentine producing pods entirely free from strings. Excellent shipping sort and adapted for market garden use. Plants large, thrifty and prolific, ripening in 53 days. Pods oval, straight or slightly curved; dark green and of very good quality. Seeds black.

STRINGLESS GREEN POD. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green. 5 1/2 inches long, almost 1/2 inch wide and equally thick. Very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown.

STRINGLESS REFUGEE. Splendid canning variety; young pods particularly valuable for canning and pickling whole. Pods medium green; very uniform, 5 to 5 1/2 inches long. Round, absolutely stringless, very fleshy, brittle and fine grained. Seeds dark violet purple splashed with buff.

TENDERGREEN. This is a new bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The bods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

EARLY MARROW PEA OR WHITE NAVY. (The common white pea bean of commerce.) Ripe in 90 to 100 days. Plant large with tendency to form runners. Hardy, very prolific; ripens uniformly. Pods 4 inches long. Dry beans small, white.

Bush, Wax Pod

DAVIS WHITE WAX. Well adapted for shipping. Plant large and thrifty. Pods uniform and attractive. Light yellow. 6 inches long, 1/2 inch wide, thick, oval; fleshy and tender when young, but becomes somewhat fibrous and stringy. Seeds white and excellent for baking.

TOP NOTCH GOLDEN WAX. New blight resistant. A splendid home garden and canning variety. Plant small, productive. Pods very attractive; golden yellow; 4 1/2 to 5 inches long, 1/2 inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet carmine and purple.

PENCIL POD BLACK WAX. Very desirable for home and market garden and for truckers. Plant large and thrifty. Heavily productive over long period. Pods handsome bright yellow. 5 1/2 to 6 inches long, 3/8 inch thick, cylindrical; very fleshy, stringless, brittle, fine grained, and tender. Quality unexcelled. Seeds black.

ROUND POD KIDNEY WAX. (Brittle Wax.) Valuable for home garden and canning. Plants are erect, medium large, prolific. Handsome pods of waxy light yellow, 5 1/2 to 6 inches long, thick and round. Very fleshy, brittle, strictly stringless and without fibre. Seeds white with brownish-black eye.



Lima Beans, Dwarf

HENDERSON'S. Sometimes called the Baby Lima, and known in some sections as the Butter Bean. Plant is small, dark green, erect, bushy, and very early. Pods flat, green shelled beans flat, small and of excellent quality. **Pkt. 10c; 1 lb. 25c.**

BURPEE'S IMPROVED BUSH. Plants large, heavily productive. Pods large, 4 1/2 to 5 inches long. Usually contain 4 large, thick beans. Dry beans large, flat, greenish white. **Pkt. 10c; 1 lb. 25c.**

**ALL VEGETABLE SEEDS 5c PKT. UNLESS PRICED OTHERWISE
PRICES SUBJECT TO CHANGE WITHOUT NOTICE**



Pole Beans

Prices: Pkt. 10c; 1 lb. 30c.

BLUE LAKE OR WHITE CREASEBACK. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking.

KENTUCKY WONDER. This most popular of all pole beans should be in every garden. The dark green pods are round and long, measuring 9 to 10 inches; they are always stringless as snaps, and never become tough. Seeds light brown colored.

KENTUCKY WONDER WAX. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods, which are light yellow and broader. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown.

OREGON GIANT GREEN POD. We highly recommend this variety to home gardeners. It keeps producing until killed by frost. Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow, splashed with red. A very tasty bean that requires very little care. Pkt. 10c; 1 lb. 40c.

OREGON POLE LIMA. Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

SCARLET RUNNER. About in season with pole limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long; flat, oval. Fleshy; desirable for snaps and green shell beans. Seed kidney shaped, flat; dark purple, spotted with reddish buff. Pkt. 10c; ½ lb. 25c; 1 lb. 45c.

TALL HORTICULTURAL. The pods when young are of excellent quality and make fine snapshorts. They measure 5 to 6 inches long and are stringless. The dried beans are grown extensively for winter use. They are large, of a light fawn color, speckled with dull red. Highly recommended as a baking bean.

BEET

1 oz. to 100 ft., 8 to 14 lbs. per acre.

Seed should be sown at the rate of one ounce to 100 feet of row. The rows should be spaced 14 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce Beets if sufficiently fertilized and properly tilled, all varieties of Beets sell for: Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 75c.

DETROIT DARK RED. The standard of excellence in table Beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender erect. Roots globe shaped; symmetrical, with small collar and small tap-root. Very dark blood red.

EARLY WONDER. Very desirable for home and market garden. Tops small. Root flattened globe shape with small collar and tap-root. Dark purplish red. Flesh deep purplish red zoned a lighter shade.

EXTRA EARLY FLAT EGYPTIAN. Best for forcing and particularly valuable for early market. Tops small and upright. Roots flattened, with long slender tap-roots. Flesh dark purplish red zoned lighter.

SWISS CHARD

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Only the tops of this Beet are used, like spinach, and the succulent stalks and midribs may be prepared in the same way as asparagus. The plants are cultivated like Beets except that they should be thinned to 8 to 10 inches apart. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 75c.

LUCULLUS, DARK GREEN. The fleshy crumpled leaves of this variety make very choice greens. Plant erect; stalks rounded and finely ribbed. Foliage a rich deep green.

SUGAR BEET

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Sugar Beets are desirable not only for sugar making but for stock feeding, and when small they may be used for the table. The soil producing best results is a rich, friable sand or clay loam. Cultivation is the same as for Mangel Wurzel. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 75c.

KLEIN WANZLEBEN. The most desirable Beet for sugar manufacture. Valuable for stock feeding. Roots medium large. 12 to 15 inches long, 3½ to 4 inches at shoulder, tapered; white, with a tinge of gray; very rich in sugar content. Good keeper.



MANGEL WURZEL

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Valuable as stock feed. Plant early in the Spring in rows 2½ feet apart. The seeds should be 1 inch apart in the row and covered by 1½ inches of soil firmly pressed down. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart. All varieties of Mangels: **Pkt. 5c; 1 oz. 10c; ¼ lb. 15c; 1 lb. 45c.**

DANISH SLUDSTRUP. Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge.

GIANT HALF SUGAR. This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary Mangel.

GOLDEN TANKARD. Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground. Flesh yellow with white zones.

MAMMOTH LONG RED. Superior to strains offered as Norbiton Giant, Colossal, Monarch, etc. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground. Light red; flesh white tinged with rose.

YELLOW GIANT INTERMEDIATE. Roots large, long, oval, grow about two-thirds above the ground. Light gray tinged with brown above, and orange yellow below ground. Flesh firm, white, rich in sugar, of high feeding value.



BROCCOLI

½ oz. to 100 ft., 4 oz. per acre.

This is similar to Cauliflower in color, character of foliage, form, and size of heads. It requires a long growing season and is especially suited to Pacific Coast states. **Pkt. 5c; 1 oz. 90c; ¼ lb. \$3.00.**

ITALIAN GREEN SPROUTING. This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 to 10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. It is one of the most delicious green vegetables.

ST. VALENTINE. Standard market variety for March shipment. Plants large. Heads large, solid, white, and very well protected.

BRUSSELS SPROUTS

½ oz. to 100 ft., 4 oz. per acre.

Small shoots like miniature cabbages clustered around a stem are the valuable part of this unique member of the cabbage family. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. They mature best in the Autumn after the weather becomes cool. **Pkt. 5c; 1 oz. 25c; ¼ lb. 90c.**

DWARF IMPROVED. Plants dwarf and compact. 20 inches tall. Very uniform; stem well covered with firm, round cabbage-like balls of 1¼ to 1½ inches in diameter which mature in succession.



CABBAGE

½ oz. to 100 ft., 4 oz. per acre.

For plants of early kinds, sow seed in January under glass, and put out into flat about 2 inches apart. Transplant to open ground as early in the Spring as the soil can be prepared, setting 1½ to 2 feet apart, in rows, which should be 3 feet apart. Cultivate frequently, and during dry weather water copiously. Late Cabbage seed should be sown in drills in open ground during April and May, and transplanted in June or July. Fertilize heavily, using 400 pounds nitrate of soda per acre in three dressings, one-third when plants are set out, and two thirds a month apart later. **Pkt. 5c; 1 oz. 20c; ¼ lb. 70c; 1 lb. \$1.75.**

EARLY VARIETIES

COPENHAGEN MARKET. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plants small, compact, allowing very close planting. Stem short; heads uniformly round; firm; become 6 to 7 inches in diameter. Weight, 3½ to 4 pounds. Interior clear white and of excellent quality.

EARLY JERSEY WAKEFIELD. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem short. Heads firm and conical; usually 7 inches long; 5 inches thick near base; weight, 2 to 2¼ pounds.

GOLDEN ACRE. The earliest round headed Cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short. Heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds.

LATE VARIETIES

DANISH BALL HEAD. With the exception of Hollander, this is the best late Cabbage. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid; of excellent quality; keep perfectly in storage until late Spring.



CABBAGE (Continued)

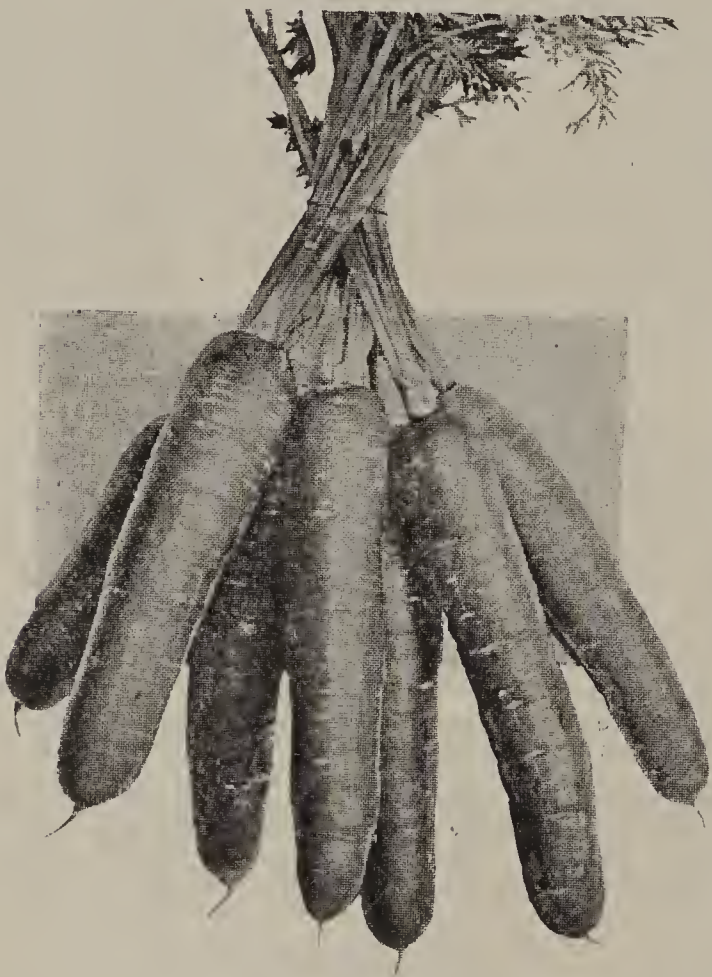
LATE FLAT DUTCH. The best very large, late Cabbage. Popular for home and market garden. A good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep, and weigh 12 to 14 pounds or more; firm and of good quality.

MAMMONT RED ROCK. A sure cropper and used very extensively for pickling. The solid heads are borne on medium-length stems and are red throughout. Perfectly round, solid as a rock, and quite large, often weighing 6 to 8 pounds each. The latest of the Red Cabbages.

SAVOY. Enjoys great popularity on account of its tasty flavor, which is sweeter and more delicate than that of ordinary Cabbage. The large round heads are somewhat flattened and very heavy. The deep green, crinkled outer leaves enclose the tender, light green heart. It matures late in the fall and will keep all winter.

Chinese Cabbage

CHINESE IMPROVED OR WONG BOK. This exceptionally fine vegetable is rapidly growing in public favor. Its growth, which resembles the Cos lettuce, has long heads and crisp leaves. Very mild and pleasant flavor served as a salad or cooked.



CARROTS

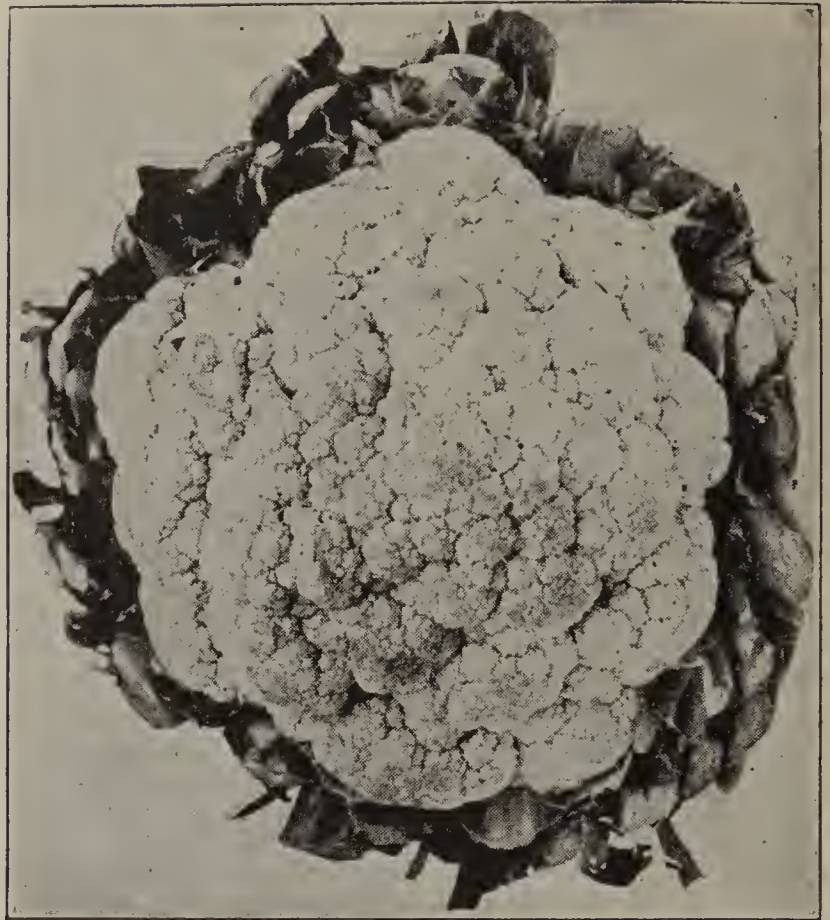
1/2 oz. to 100 ft., 30 to 4 lbs. per acre.

Sow seeds in light sandy soil, from April to July, in drills 1 1/2 feet apart, covering the seed 1/2 inch deep. Thin out the young plants from 3 to 5 inches apart, according to size of variety. Cultivate freely and do not allow the soil to get too dry during hot weather. All varieties of Carrots: **Pkt. 5c; 1 oz. 10c; 1/4 lb. 30c; 1 lb. 90c.**

CHANTENAY, NEW CORELESS. Flesh is a deep golden orange color, always smooth and fine in texture, very tender. Excellent bunching variety and grown exclusively by market growers. Medium early.

DANVER'S HALF LONG. The roots are a rich dark orange color and by reason of its symmetrical shape, which is long and pointed, it makes an excellent bunching variety. It has proved over a period of years to be the most popular Carrot, both with the grower and the shipper.

NANTES CORELESS. Excellent for forcing, as well as for home and market garden use. Tops very small. Roots bright orange, cylindrical, blunt tipped. Flesh reddish orange, crisp, tender and of very delicate flavor. Practically coreless.



IMPERATOR. This Carrot grows to a length of 6 to 7 inches with a shoulder diameter of 1 1/4 to 1 1/2 inches and is a deep orange color. It has a smooth crown; does not have undesirable side shoots; has a fine texture, and is good and sweet. In all respects it is very attractive for shipping purposes. **Pkt. 5c; 1 lb. \$1.00.**

OXHEART. Beautiful shape and color. The roots generally attain 4 to 5 inches in length, and about 3 inches in diameter. Quality first rate, very tender, and a variety that is used in quantity.

LONG ORANGE. A heavy cropper on light soils; much grown for stock as well as for table use. Roots scarlet-orange; 10 to 12 inches long, 2 inches thick at the top; tapered, pointed.

Stock Carrots

Pkt. 5c; 1 oz. 10c; 1/4 lb. 30c; 1 lb. 90c.

WHITE BELGIAN. A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed, it will yield as much as 40 tons per acre. Roots are 7 to 8 inches long, 3 inches across at the top, tapered and pointed.

YELLOW BELGIAN. A very productive variety, with roots measuring 20 inches long. They are broad at the shoulder, and gradually taper to a fine point. The skin below the ground is a light orange, but above the soil surface it is green. Will yield heavily, particularly on good deep soil.

CAULIFLOWER

1/2 oz. to 100 ft., 4 oz. per acre.

The same methods that produce good Cabbage will grow good Cauliflower. The only great difference is that Cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting of the light, it is important not to cramp the heads.

DANISH GIANT, DRY WEATHER. One of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large, 6 to 7 inches across, commonly weigh 2 pounds. White with tinge of cream; of splendid quality. **Pkt. 5c; oz. \$1.50; 1/4 lb. \$5.00.**

EARLY SNOWBALL. The best for greenhouse forcing, early market, and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across, weight 1 1/2 to 2 pounds. The standard of excellence in Cauliflower. **Pkt. 10c; oz. \$1.75; 1/4 lb. \$5.50.**

AUTUMN GIANT. Also known as California Wonder. Is a large, late sort producing quite compact, white heads, surrounded by a mass of large, spreading leaves. **Pkt. 5c; oz. \$1.25; 1/4 lb. \$4.**

CELERY

1/4 oz. to 100 ft.,
4 oz. per acre.

Sow from February to May in drills 1 foot apart. Later, usually in June, transplant to rows 3 feet apart and 6 inches apart in row. Rows should be furrowed out so plants may be set 6 in. deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.



GOLDEN PLUME OR WONDERFUL. Early and very desirable for home and market garden. Plants medium sized; stocky, full hearted, and compact. Thick solid stalks blanch readily and are of the finest table quality. **Pkt. 5c; oz. 75c; 1/4 lb. \$2.25.**

GOLDEN YELLOW SELF-BLANCHING. Early and particularly desirable for home and market garden. Plants fairly tall and compact with firm stalks, 26 to 28 inches tall, which blanch readily and are of splendid quality. **Pkt. 5c; oz. 50c; 1/4 lb. \$1.75.**

WHITE PLUME. Valuable for early market. Foliage green, tinted white. Stalks and foliage blanch very readily to snowy white. **Pkt. 5c; oz. 25c; 1/4 lb. 60c.**

UTAH JUMBO WINTER. A remarkable late Celery of the finest quality. Plants sturdy, compact and solid. Very free from strings. Light green in color; nutty flavor. **Pkt. 5c; oz. 75c; 1/4 lb. \$2.25.**

CELERIAC

1/4 oz. to 100 ft., 4 oz. per acre.

Sow seed at the same season and give same treatment as common Celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. Give thorough culture. It is not necessary to earth up or handle the plants. After the roots have attained a diameter of 2 inches, they are fit for use. **Pkt. 5c; oz. 25c; 1/4 lb. 75c.**

LARGE SMOOTH PRAGUE. An improved variety of turnip-rooted Celery producing large tubers of nearly globular shape and comparatively smooth surface.

CORN

Sweet corn, 8 oz. to 100 ft., 10 to 14 lbs. per acre.

Popcorn, 6 oz. to 100 ft., 6 to 8 lbs. per acre.

Salad corn, 4 oz. to 100 ft., 10 to 12 lbs. per acre.

Plant in rich, warm soil, in hills 2 to 3 feet apart, in rows 3 feet apart for early kinds and 4 feet apart for late sorts. Make first sowing about the Middle of May and continue fortnightly up to about the middle of July. **Pkt. 10c; 1 lb. 25c; 10 lbs. \$2.00.**

Early Sorts

GOLDEN BANTAM. This golden colored Corn is the leading variety for early home garden planting; ears though small are numerous and of finest quality. Very sweet and tender.

GOLDEN EARLY MARKET OR SUNSHINE. A very fine early variety. Much the same flavor and tenderness as Golden Bantam and exceedingly popular with market gardeners; 10 to 12 beautiful tender rows to each ear. Splendid for early gardens.

EARLY EVERGREEN. A distinct new sugar Corn of the evergreen type. The stalk grows 8 to 9 feet high. It withstands drought unusually well and holds its edible quality better than most varieties. One of the best canning varieties and very popular with market gardeners. Ears have 14 to 18 rows of deep ivory white kernels that are sweet and tender.

Intermediate and Late Sorts

GOLDEN BNTAM IMPROVED. A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow, deep, wide, tender kernels with a fine, sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time.

GOLDEN CROSS BANTAM. Very uniform in habit of growth, size, and maturity. The ears measure 8 inches long and they are closely set with 14 rows of light yellow grains filled with delicious sweet pulp. Bears two ears per plant.

GOLDEN GIANT. This is the giant among the yellow varieties with ears measuring 8 inches long. Matures its handsome ears about a week after Golden Bantam. Each cob is tightly set with 12 or 14 rows of sugary, creamy, yellow kernels covered by a thin tender skin.

COUNTRY GENTLEMAN. A delicious sweet corn of excellent quality. Widely used by canners and very desirable for private family use. Stalk often has two ears. Cob is small, giving great depth to kernels, which are slender with tender hull and set irregularly without row formation.

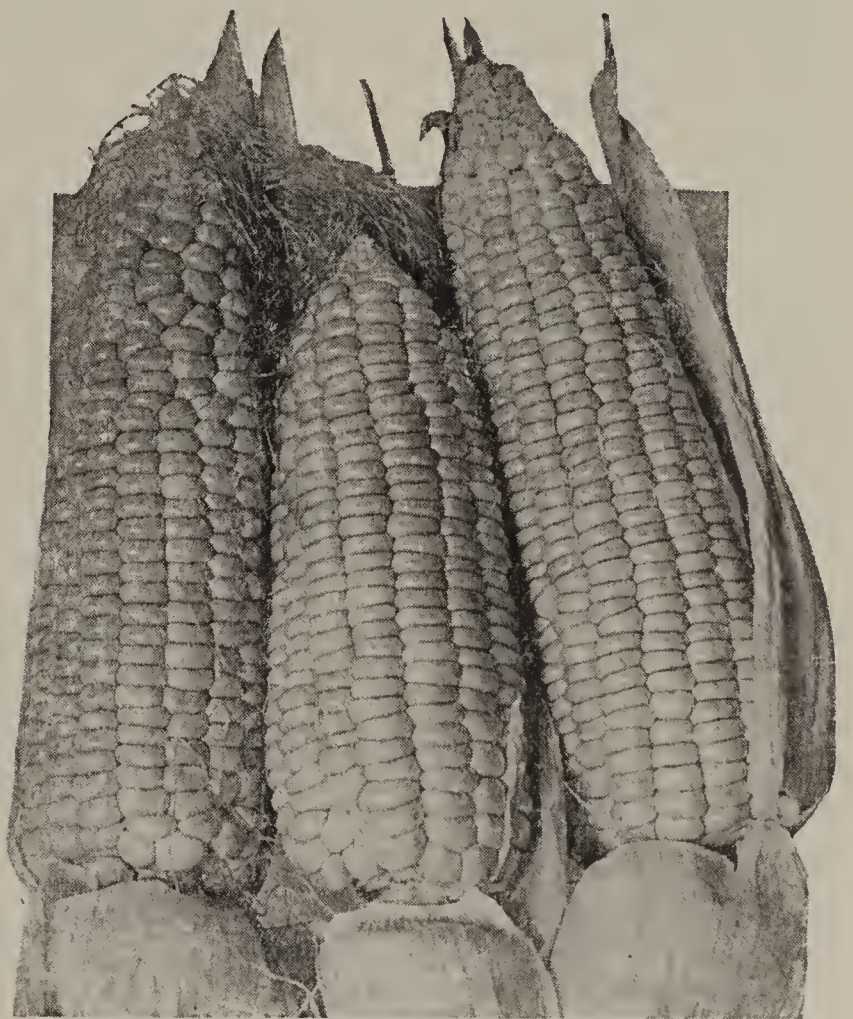
Field Corn

8 to 10 lbs. per acre.

1 lb. 15c; 10 lbs. \$1.00. Write for 100 lb. prices.

MINNESOTA "13" YELLOW DENT. An early maturing yellow dent corn that is a favorite in all the corn growing sections west of the Rockies. More of it is being grown than all other varieties combined. The stalks are of medium size, the ears 9 to 11 inches long.

PRIDE OF THE NORTH. An early maturing, long-kernelled yellow sort that we recommend for any corn district west of the Rockies. The stalks are larger than those of Minnesota "13" and the kernels deeper.



EGGPLANT

1/4 oz. to 100 ft., 5 to 6 oz. per acre.

Sow in mild heat, about the middle of March, and transplant on June 1, setting the plants 2 1/2 feet apart. **Pkt. 5c; oz. 65c; 1/4 lb. \$2.00.**

BLACK BEAUTY. The fruits of this variety are large and symmetrical. Retains its glossy black-purple coloring for a long time. This lasting quality makes it distinctly popular.

NEW YORK IMPROVED. Best known variety for home and market garden. Plants spreading, spineless, bearing 4 to 8 glossy black-purple fruits, which are broad, oval and very large.

ENDIVE

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow about the middle of April, in rows 1 1/2 feet apart, and thin about to about 9 inches apart. **Pkt. 5c; oz. 15c; 1/4 lb. 50c.**

BROAD-LEAVED (ESCAROLLE). Leaves long, broad, and succulent. Fine for Winter salads and cooking.

GREEN CURLED. Standard variety for Fall and Winter crop.

CUCUMBER

1 oz. 100 ft., 3 to 4 lbs. per acre.

Sow outdoor varieties early in Spring, in hotbeds, and transplant to open ground when weather is suitable. For later crop, sow seed when weather becomes settled, in hills 4 to 6 inches apart. They require a warm, rich soil, and should be watered liberally. **Pkt. 5c; oz. 15c; 1/4 lb. 50c; 1 lb. \$1.50.**

LONGFELLOW. A very desirable variety for the home garden and for shipping. Fruits weigh 2 1/2 pounds, are from 12 to 15 inches long, dark green, uniform, straight and attractive.

DAVIS PERFECT. A favorite with market gardeners and shippers. Long, slim and dark green, holding its color well to maturity. Fruits weigh about 2 pounds; are 10 inches long and 2 1/2 inches in diameter.

IMPROVED LONG GREEN. This is a great improvement over the old strain of Long Green. The fruits are unusually handsome, being of good form and of a deep green color, which is retained a considerable time after picking. 9 to 10 inches in length.

IMPROVED WHITE SPINE. One of the best of the early White Spine strains. Excellent for home gardens, and used widely for shipping. Vigorous and productive. Fruits weigh 1 3/4 to 2 pounds, very dark green, uniform, nearly cylindrical.

STRAIGHT-8. An outstanding new variety producing symmetrical, cylindrical fruits about 8 inches long and 1 1/2 inches in diameter. Fruits are well rounded at the ends and when ripe are deep green and free from objectionable striping or tipping. Ideal for home or market garden.

BOSTON PICKLING. An early pickling or slicing variety. Fruits weigh about 1 1/2 pounds, 6 inches long and 2 1/2 inches in diameter.

LEMON. The vines produce prolifically, dainty little cucumbers resembling lemons in both form and color and having a delicious and distinctive flavor. A popular variety for the home garden. Fine for preserves or sweet pickles and considered superb as a salad.

GHERKIN. Of superior quality for pickles. This is the West India Gherkin, and not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface; 1 1/2 to 2 inches long; oval, uniform; seeds numerous and small.

KOHL RABI

1/2 oz. to 100 ft., 4 to 5 lbs. per acre.

The delicious flavor of this turnip-shaped bulb combines both Cabbage and Turnip. As early in Spring as possible, sow the seed in light rich soil in rows 1 1/2 feet apart. When plants are well established, thin to 6 inches apart in the row. **Pkt. 5c; oz. 20c; 1/4 lb. 65c.**

EARLY PURPLE VIENNA. Standard early sort. Plants small; leaves dark green and profuse purple staining. Bulbs flattened globe shape, best for use when 2 to 2 1/2 inches in diameter, but become larger; exterior purple; but flesh white; mild, crisp, and tender.

EARLY WHITE VIENNA. For forcing. The best table sort if used when the bulbs are 2 inches in diameter. It matures very early and produces medium sized, light green bulbs with white flesh of excellent quality.



Kale, Borecole

1 oz. to 100 ft., 4 to 5 lbs. per acre.

The culture is practically the same as that of late Cabbage, but as the plants will withstand several degrees of frost they can grow late into the Fall. Many think Kale best after the first heavy frosts. **Pkt. 5c; oz. 15c; 1/4 lb. 45c; 1 lb. \$1.25.**

DWARF GREEN CURLED SCOTCH. Plants have wide-spreading, finely furled blue-green plume-like leaves. Relished as a vegetable green and useful as an ornament.

TALL GREEN CURLED SCOTCH. Hardy plants with leaves deeply cut. Curled at the edges, light green in color; very tender and finely flavored after touched with frost.

JERSEY OR THOUSAND HEADED. Called Chicken or Cow Kale. Vigorous branching plants with enormous Cabbage-like leaves. Relished by poultry and livestock as Winter greens. **Pkt. 5c; 1 oz. 10c; 1/4 lb. 20c; 1 lb. 60c.**



LETTUCE

1/2 oz. to 100 ft., 3 lbs. per acre.

Sow the seed in hotbeds during February until the middle of March, afterward transplanting into flats or coldframes, leaving about 6 to 8 inches between the plants. As soon as weather becomes suitable, transfer to open ground and set out in rows 1 foot apart, leaving 9 inches between the plants in the rows. **Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.25.**

NEW YORK NO. 12. A comparatively recent selection of the New York type; an early variety and does well in midsummer. It is lighter in color than the regular New York and is popular with shippers and large growers.

NEW YORK NO. 515 IMPROVED. A development from Number 12, matures slightly earlier and should be grown where there is hot weather as it is resistant to tip-burn.

BLACK SEEDED SIMPSON. Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; broad, frilled light green leaves that are of fine crisp texture and splendid quality.

GRAND RAPIDS. Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact, and handsome; bright solid light green; leaves large, broad; margin much frilled; very tender and sweet when grown under glass.

HANSON. A very hardy Lettuce, excellent for a Summer crop as it withstands heat. Forms a large, light green head, which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender.

RED LEAF PRIZE. An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color medium green with brownish-red edges on outer leaves.

CHICKEN LETTUCE. This is a non-heading Lettuce, quite different from those used for human food. The plants grow 4 ft. tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits.



MUSKMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

In sections where the Summers are short, seed can be planted indoors or in hot beds in small boxes. The young plants can be transferred to the garden when danger of frost is past. If practicable, spade in a liberal forkful of well rotted manure at the bottom of each hill. The rows should be at least 6 feet apart and the hills 3 feet apart in the rows. In general, the culture is the same as that for cucumber. **Pkt. 5c; 1 oz. 15c; lb. 40c; 1 lb. \$1.50.**

HEARTS OF GOLD. This popular medium sized melon follows the earlier varieties. It is fine to plant for succession as it ripens in about 100 days. The fruits are 5 to 6 inches in diameter. The smooth orange salmon flesh is exceptionally thick and fine flavored.

HALE'S BEST EARLY. The melons develop to luscious sweetness in 70 days after planting. The fruits are oval. Occasionally some fruits are somewhat more elongated. They have delicious, sweet, bright salmon-orange flesh, which is firm, fine grained, and has a rich, delightful aroma.

CASABA. The Casaba is rapidly taking its place as a melon for the late season after the Muskmelons are past. Fruits are medium, large, globe shaped, weigh 6 pounds, outer color golden yellow, surface wrinkled. Flesh white, luscious and spicy. **Pkt. 5c; oz. 15c; lb. 40c.**



HONEY DEW. A very fine melon. Fruits large, globular, weigh 5 to 7 pounds. Surface is smooth, hard, with practically no netting, creamy white. Flesh is light emerald green, thick ripening to the rind; juicy and tender, with a distinct sweetness not found in other melons. **Pkt. 5c; oz. 15c; 1/4 lb. 40c.**

WATERMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Rich, rather sandy soils produce the finest crops of Watermelons, but a well-drained loam, especially with a southern exposure, is also suitable. Place 6 to 8 seeds in a circle in each hill, and cover 1/2 inch deep with fine soil. One ounce will plant 20 to 25 hills; 3 to 4 pounds per acre. **Pkt. 5c; oz. 15c; 1/4 lb. 30c; 1 lb. \$1.00.**

BLACK-SEEDED ICE CREAM. The melon is almost round, with a thin rind of medium green. The inside flesh is pink and exceptionally sweet and fine flavored. This variety matures earl and is a fine keeper.

KLECKLEY SWEET. A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Weighs about 30 pounds.

KLONDIKE. An early sort, a good shipper and popular in Western home gardens. Fruits oblong, slightly tapered, medium sized with slight ribs; rind medium hard. Flesh bright deep red, very sweet; unequalled eating quality.

STRIPED KLONDIKE. An early garden and shipping variety similar to the regular Klondike but with irregular dark green stripes. Fruits oblong, of medium size. Flesh the deepest red known to watermelons; sweet and crisp, seed small.



MUSTARD

1/2 oz. to 100 ft., 4 lbs. per acre.

Seed may be sown from early Spring to midsummer in rows 18 inches apart. Thin to 5 or 6 inches apart in the rows. The plants are in condition for use as soon as the leaves are the size of one's hand. Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply. **Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 75c.**

SOUTHERN GIANT CURLED. The leaves are large, light green with a tinge of yellow, and much crumpled and frilled at the edges. The plant is upright or slightly spreading in growth. This variety is valued in the South on account of its vigorous growth, hardiness, and good quality.



ONIONS

1/2 oz. to 100 ft., 3 to 4 lbs. per acre.

As early as soil can be worked in Spring, sow the seeds thinly in drills 1 foot apart, and cover lightly, later thinning out to about 6 inches apart in the row. The soil must be well fertilized and be made very friable. In hot weather, water frequently. **Pkt. 5c; oz. 25c; 1/4 lb. 75c; 1 lb. \$2.25.**

CRYSTAL WAX BERMUDA. Medium size, pure, waxy white. One of the mildest sorts grown. **Pkt. 5c; oz. 30c; 1/4 lb. \$1.00; 1 lb. \$3.00.**

WHITE PORTUGAL, OR SILVERSKIN. A good second early white flat Onion. It should be planted any time from November 1st until April 1st. It is good keeper and desired for shipping. Also very desirable for green bunching onions. Under good cultivation the average diameter is from 4 to 6 inches.

WHITE GLOBE. The most attractive large round Onion with pure paper-white skin. The flesh is also pure white, sweet, juicy, and of most delightful mild flavor. It is a main-crop variety which will keep well for some time. Market gardeners' choice for bunching onion.

WHITE SWEET SPANISH. A large, sweet onion, introduced into this country from Spain in recent years, and can be grown very successfully here. The onions are equal to those that used to be imported. Has no bite nor objectionable strength, being mild, sweet flavored, fine, firm meat of tender texture.

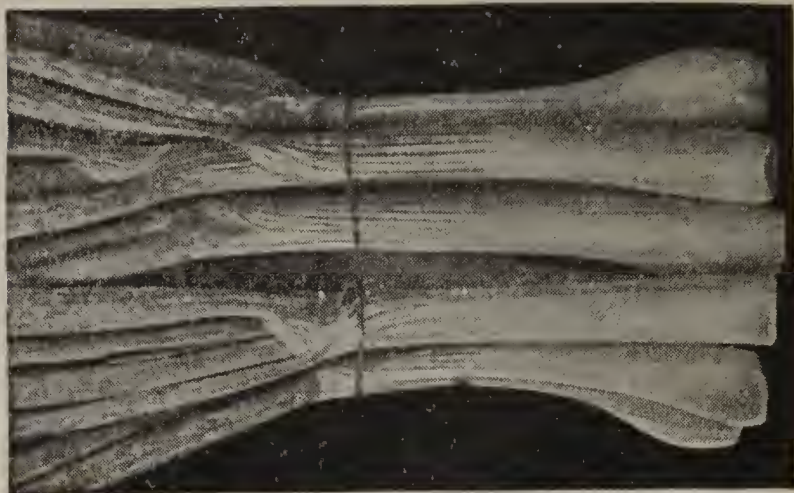
RIVERSIDE SWEET SPANISH. A large, globe shaped brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet. Good for slicing. Most popular market onion.

PRIZETAKER. The most widely grown of the yellow types. Enormously productive. Bulbs large, globular; skin thin, glossy and of a lighter shade of yellow than Danvers; flesh coarse but mild and sweet.

YELLOW GLOBE DANVERS. An outstanding variety, dependable cropper, medium late, hardy, and excellent keeper; used for shipping and storage. Bulbs medium size, spherical, clear yellow, firm and solid and tough, clinging skin. Flesh white with slight yellow tone.

1 qt. to 100 ft., 12 bu. per acre.

ONION SETS. Sets are Northern grown, hardy, carefully cleaned, sized and packed. Produced for Western conditions. Plant Onion Sets deep for green Onions and shallow for dry Onions. **Lb. 10c.** Write for quantity prices.



OKRA or GUMBO

2 oz. to 100 ft., 8 to 10 lbs. per acre.

Sow seed early in May, in rows 3 feet apart and 2 inches deep. As plants appear, thin out to about 1 foot apart. **Pkt. 5c; oz. 15c; 1/4 lb. 35c.**

IMPROVED DWARF GREEN. Early. Short, thick pods.

PERKIN'S MAMMOTH LONG POD. Standard medium early sort for home, market garden and canning. Plants 4 to 5 feet tall; pods dark green, fleshy, tender; become 7 to 8 inches long, 1 1/8 inches in diameter. Distinctly ribbed and tapered.

PEAS

1 1/2 lbs. to 100 ft., 90 to 180 lbs. per acre.

For first crop, rounded seeded Peas should be sown in the open ground as soon as it is fit to be worked; wrinkled varieties should be planted 2 to 3 weeks later. Frequent planting for succession, and a careful selection of varieties, will give an almost continuous crop of Peas from June until frost. Sow Peas in rows 3 feet apart and 1 to 2 inches deep. Rotted horse manure and wood ashes should be freely used in the preparation of soil for Pea growing. **Pkt. 10c; 1 lb. 25c; 10 lbs. \$2.00.**



PEAS (Continued)

First Early Varieties

WORLD'S RECORD. An improved Gradus type, but 4 or 5 days earlier. Vines 30 inches tall, moderately stout, pods about 4 inches long, broad, pointed; contain 7 to 8 large tender deep green peas of excellent quality. The largest early variety.

ALASKA. This variety is extremely early. The round pods, 2½ inches long, contain 5 to 8 Peas, which are ready to use in about 55 days. The Peas are small, round, and tender. The vines are 2½ to 3 feet tall.

GRADUS, OR PROSPERITY. A very popular second early, large podded variety for home use and market. Vines 36 inches tall, medium green, stocky. Pods single, broad, plump, pointed, medium green; contain 8 to 10 large, sweet, delicious Peas.

LAXTON'S PROGRESS OR BLUE BANTAM. A little earlier than other dwarf large podded Peas, this variety is generally considered the best of its class. The blue-green pods are often more than 4 inches long and contain 8 dark green Peas of finest quality. The seeds are large, wrinkled, green and cream in color.

LITTLE MARVEL. Outstanding among dwarf Peas on account of its exceptional quality and yield. Valuable for home garden and early market. Vines dark green, 18 inches tall, stocky. Pods single and double, dark green, blunt, plump, well filled with 7 to 8 tender Peas.

HUNDREDFOLD. A leader among the early dwarf varieties. Grows 18 inches to 20 inches high. Dark green foliage heavy with dark green straight well-filled pods of finest quality.

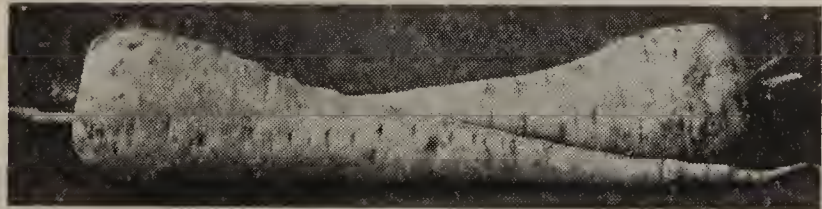
Midseason Varieties

TALL TELEPHONE OR ALDERMAN. A handsome, large podded variety. Unexcelled for home gardens, for local markets and for shipping. Bears immense crops; wilt resistant. Pods single, very broad, plump, straight dark green, pointed, contain 8 to 10 Peas of highest quality.

DWARF TELEPHONE. Only about 2 feet tall. Resembles Telephone, and the pods are well filled with Peas of the same good quality. It is an excellent variety to follow the early Peas in the home garden. Seeds large, wrinkled, green.

Late Varieties

IMPROVED STRATAGEM. A superior late variety. Vines deep green, 26 inches tall, stocky and branching. Pods single and paired, wide, nearly round, straight, pointed, dark green. Contain 8 to 10 tender Peas.



PARSNIP

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Sow the seed as soon as season will permit, in drills about 2 feet apart, and thin plants out to 1 foot apart in the row. The ground should be deeply trenched and well manured. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c.

HOLLOW CROWN, THICK SHOULDER. This is the best and most popular variety in cultivation. The skin is smooth and white, while the flesh is tender. The roots grow 18 to 20 inches in length, but the first 8 inches from the top is the best part.

PARSLEY

½ oz. to 100 ft., 3 to 4 lbs. per acre.

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in Spring in rows 1 to 2 feet apart with a covering of not more than ½ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 18 inches apart in the row. Pkt. 5c; oz. 15c; ¼ lb. 30c.

EXTRA TRIPLE CURLED (MOSS CURLED). This vigorous, compact grower is one of the most popular varieties because of its deep green color and tightly curled leaves that look like moss. It is unusually decorative for table use.

HAMBURG, THICK ROOTED. The root of this variety is edible and resembles a slender Parsnip in color and shape. The flesh is white, dry, and similar to Celeriac in flavor. It is used for flavoring soups and steps. The roots may be stored in sand for Winter use.



PUMPKIN

4 oz. to 100 ft., 3 to 4 lbs. per acre.

Pumpkins are typically American, and Pumpkin pie is one of our truly American dishes. They are less sensitive to unfavorable conditions of soil and weather than Melons or Cucumbers, but they are cultivated in about the same way. Pkt. 5c; 1 oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

LARGE YELLOW OR CONNECTIUT FIELD. This sort is grown largely in the corn field for stock, but the flesh is moderately fine grained, highly flavored and very good for pies. The fruits weigh about 20 pounds and are a rich, deep orange yellow color.

SWEET OR SUGAR. A small handsome variety, and very popular. The skin is a deep orange yellow. Flesh fine grained and sweet in taste. Famous in Boston as a pie Pumpkin. It sells better on our local market than any other variety except the Jack o' Lantern at Hollowe'en time.

WINTER LUXURY. This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8½ pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy yellow, very thick, sweet, and finely flavored.

PEPPER

¼ oz. to 100 ft., 1 to 2 lbs. per acre.

Culture and soil and temperature requirements are about the same as for Eggplant. A moderate dressing of Guano, poultry manure, or complete commercial fertilizer, hoed into the soil after the plants are 6 to 8 inches tall, will be very beneficial. Pkt. 5c; 1 oz. 60c; ¼ lb. \$1.75.

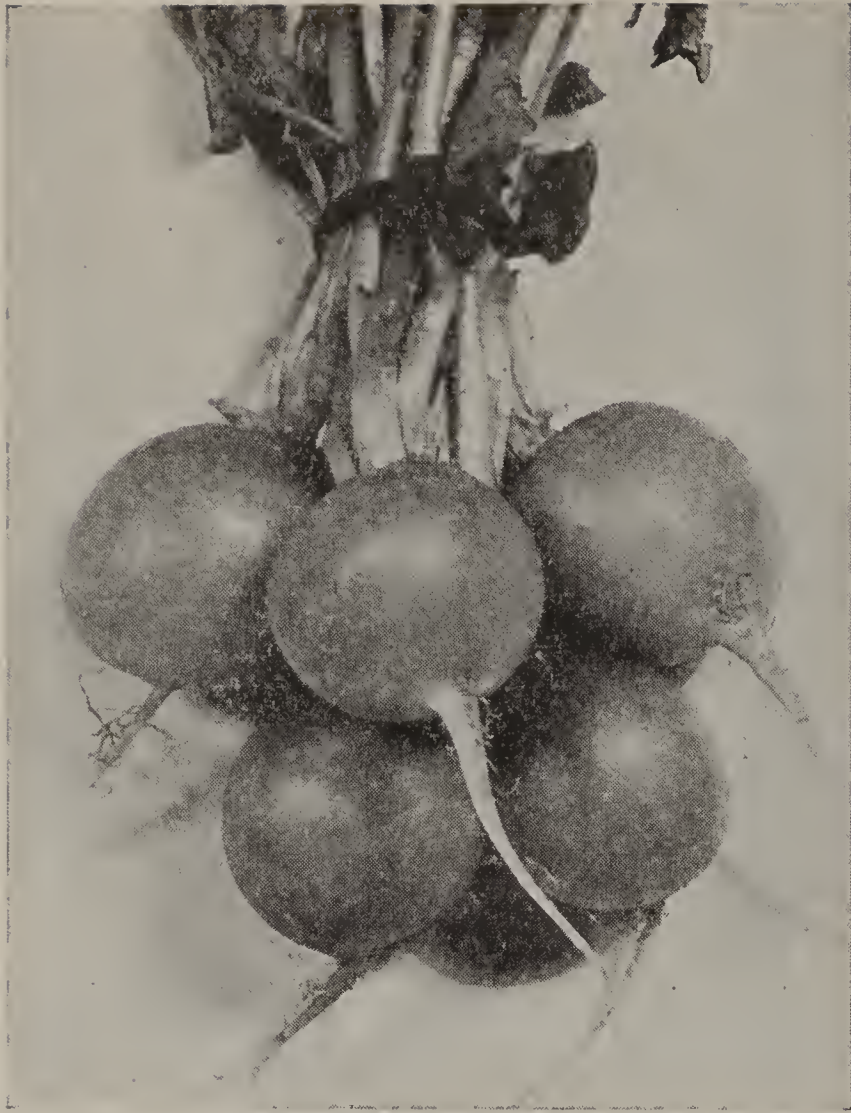
CALIFORNIA WONDER. Thickness of flesh alone, which is often ¾ of an inch, places this sweet Pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide.

CHINESE GIANT. Fruits are often 6 inches across and 4½ to 5 inches deep. The flesh is moderately thick and very mild. The fruits are rich bright green when young, and bright cherry red at maturity.

LARGE BELL OR BULLNOSE. A popular, early, sweet prolific sort, with small, erect plants. Fruits blunt; flesh fine quality and mild flavor. Much used for stuffing.

LONG RED CAYENNE. This well-known, medium early Pepper is especially good for drying purposes. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent.

PERFECTION PIMIENTO. A splendid canning variety, adapted to home and market garden culture. Plants large, erect, prolific. Fruits heart shaped, very smooth; flesh exceptionally thick, sweet and mild.



RADISH

1 oz. to 100 ft., 10 to 12 lbs. per acre.

For an early crop, sow in hotbed in January, February and March. As soon as ground is fit to be worked, sow seed in the open, in rows 1 foot apart. **Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 75c.**

EARLY SCARLET GLOBE. The earliest of all forcing radishes grown for market. Globular, uniform size, bright scarlet, white flesh, crisp and tender.

EARLY SCARLET TURNIP—WHITE TIP. This variety grows very quickly and is ready for picking in 25 to 30 days, Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener.

CRIMSON GIANT. A favorite with home gardeners. Large globular root, 1 to 1 1/2 inches in diameter, deep crimson, flesh firm.

FRENCH BREAKFAST. A splendid variety for home use; oblong, bright scarlet, white tip. Grows about 1 1/2 inches long and 5/8 inch thick.

LONG WHITE ICICLE. Long slender roots which remain tender and crisp until grown. Matures early; has small top, which permits close planting.

Winter Varieties

BLACK SPANISH LONG OR ROUND. A hardy, large rather pungent variety for Winter use. Keeps unusually well; is 8 to 9 inches long and 2 inches thick, slightly tapered. The skin is black and flesh white and crisp. Round, about 4 inches in diameter.

CHINA ROSE WINTER. A large rose colored variety from the Orient. Hardy and rather mild. The flesh is white, and very crisp. This variety is broadest at its base and is 4 to 5 inches long.

RUTABAGA, Swedish Turnip

1 oz. to 100 ft., 2 to 4 lbs. per acre.

The culture is the same as for common Turnip, but if anything, less exacting in care. **Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1 lb. 75c.**

IMPROVED AMERICAN PURPLE TOP. The old, popular standard sort both for stock feeding and table use. Flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality.

SPINACH

1 1/2 oz. to 100 ft., 10 to 20 lbs. per acre.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South, Spinach will Winter over with little or no protection. **Pkt. 5c; 1 oz. 10c; 1/4 lb. 20c; 1 lb. 50c.**

LONG-STANDING BLOOMSDALE. An early, hardy Spinach of attractive appearance. The dark glossy green leaves are heavily crumpled and savoyed. It combines all the good qualities of the best Savoy strain with remarkable long-standing properties. Will remain in perfect condition two weeks longer than other Savoy strains. Very uniform and almost entirely dependable.

IMPROVED THICK LEAF. The seed of this thick leaved variety produces the largest Spinach. The leaves grow rapidly and remain in good condition a long time. The medium green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden Spinach.

NEW ZEALAND. Although not a true Spinach, the leaves look like Spinach and are very useful as greens. On soils too poor to grow Spinach successfully, the plants thrive and produce groups of small fleshy leaves that are tender and delicious when cooked. Each branch of the plant produces others, so that it goes on providing a continuous supply of greens throughout the Summer.

SALSIFY, Vegetable Oyster

1 1/2 oz. to 100 ft., 7 to 8 lbs. per acre.

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of Oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for Parsnip. **Pkt. 5c; oz. 15c; 1/4 lb. 50c.**

MAMMOTH SANDWICH ISLAND. Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts.

SQUASH

Vining, 1 oz. to 100 ft., 4 lbs. per acre.

Bush, 1 oz. to 100 ft., 4 to 6 lbs. per acre.

Seeds should be planted about the middle of May, in hills 4 feet apart for bush varieties, and 10 feet apart for the running sorts. Put 12 to 15 seeds in each hill; afterward thin out, leaving 3 or 4 of the best plants. **Pkt. 5c; oz. 15c; 1/4 lb. 36c; 1 lb. \$1.25.**

ZUCCHINI OR ITALIAN. The favorite Italian Squash. It should be eaten when quite young, 4 to 6 inches long. It is a delicious Summer variety; do not hesitate to plant it. It is very prolific; a few hills will suffice to keep the family well supplied the entire Summer.





EARLY SUMMER CROOKNECK. Very early, 60 to 65 days. The bushy plant is very productive of attractive fruits, weighing about 2 pounds. The skin is distinctly warted and bears a bright yellow color, while the flesh is pale cream, firm and tender. A very good sort for home planting.

GOLDEN HUBBARD. A very good variety of medium size; weight about 8 pounds. An excellent keeper on account of its thick rind, which is of a beautiful golden color.

IMPROVED HUBBARD. Large and warty Hubbard type. Shell dark green, hard, moderately warted. Flesh light orange, very dry and richly flavored. One of the best Winter Squashes.

TABLE QUEEN OR DANISH. Small, dark, green, acorn shape. Flesh rich yellow, dry, richly flavored. Medium early. A good keeper. Easy to grow.

WHITE BUSH SCALLOP. A popular variety bearing profusely small, rather flat white Squashes with a distinct scalloped edge. Is very early and has a fine flavor.

TOMATO

1/8 oz. to 100 ft., 2 oz. per acre.

In February or March sow seeds lightly in rows in greenhouse, hotbed, or window box, and when plants have reached a height of 3 inches, transplant in hotbeds. About June 1, set out in open ground, 4 feet apart, giving plenty of well rotted manure to each plant. Water freely during hot weather. To obtain the best results, trellises or stakes should be used. **Pkt. 5c; 1 oz. 35c; 1/4 lb. \$1.00; 1 lb. \$3.75.**

BONNY BEST. One of the very best early varieties for table and canning. Vine medium, not very hardy. Fruits medium sized, apple shaped, smooth, solid, bright scarlet in color, of excellent quality.

CHALK'S EARLY JEWEL. A second early sort. Good for canning. Plant medium with open growth; prolific. Fruits medium large, smooth; scarlet, flattened globe-shaped.

RUTGERS. An early variety produced in 1935. Plant large with thick stems and vigorous foliage. Fruits similar to Marglobe, but flatter at stem end; bright red, smooth with thick walls and small seed cells; ripen from center; flesh red and firm and of low acidity.

SPARK'S EARLIANA. One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

MARGLOBE. The best general purpose Tomato recently introduced. Excellent home garden variety and particularly valuable for shipping. Plants thrifty and heavily productive and of long bearing period. Fruits uniform open scarlet; large; uniformly globe shaped; smooth, solid, and of distinct quality.

PRITCHARD (SCARLET TOPPER). Wilt resistant, of the type of plant known as self-topping or self-pruning. Mid-season to late and a heavy topper. Fruit globe shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days.

GROUND CHERRY OR HUSK TOMATO. Fruits small, yellow, enclosed in loose paper husks. Very much prized for preserving. **Pkt. 10c; 1 oz. 75c, postpaid.**

YELLOW PEAR. Enormously productive. Fine for salads or marmalade. Sweet and delicious. Small, yellow, pear-shaped fruits of exceedingly mild and pleasing flavor.

TURNIP

1 oz. to 100 ft., 2 to 3 lbs. per acre.

For main crop, sow in open ground from May to July; for Winter use, during July and August. Set out in rows 1 1/2 feet apart, allowing a space of 6 inches between the plants. **Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 60c.**

PURPLE TOP STRAP LEAF. A medium early, very productive variety. Tops medium small, upright, strap-leaved. Roots flat, purple red at the top, white below; flesh white, fine grained and tender.

PURPLE TOP WHITE GLOBE. This variety may be grown to quite a large size without developing signs of coarseness. It is of spherical shape with white skin, the upper one-third being colored reddish purple. Flesh pure white, firm, fine grained and of superior flavor. Good keeper. Fine for table use and stock feeding.

SNOWBALL. A desirable sort for home use and early markets. Tops small and erect. Roots medium sized, round, white throughout, crisp, sweet and tender.

YELLOW ABERDEEN. Excellent for Winter use. Cut leaved, globular, quite smooth; color purple top, yellow below; flesh firm, tender, light yellow.

BORTFIELD. The easiest harvested root crop. A good keeper; will keep through the average Winter in the field. Due to thick skin, is quite resistant to worm injury. A very heavy yielder.

COW HORN. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop.





LAWN GRASS SEED

Our Special Bent Lawn Mixture

The Best All-Purpose Lawn Grass Seed. Price, lb. 65c

A wonderful mixture that is the result of years of experimenting. It is especially prepared by us from the highest quality seeds that can be produced. It makes a smooth, green, velvety lawn with a thick bottom, free from common grasses which are inclined to produce clumps or knots. Only the very finest varieties of the most suitable grasses for making an even, thick mass of grass are used in this mixture. The various grasses composing this well-balanced blend are fine-bladed and deep rooting, sure to produce the best results under average conditions of soil and climate. It is all plump, heavy seed, free from chaff or weed seeds. Sow one pound for a plot 10 by 20 ft. (200 sq. ft.); 100 to 150 lbs. of seed are required to sow one acre.

ENQUIRE FOR PRICES ON LAWN SEEDS LISTED BELOW

ASTORIA BENT. This strain of Bent differs from the Seaside variety in that it does not send out stolens, but that it spreads underground, sending up many rootstalks that produce a splendid turf. The growth is upright, of fine texture and is a richer green than Seaside Bent. It is more practical for lawns and succeeds best in heavy soils. Sow 1 pound to 200 square feet.

SEASIDE CREEPING BENT. Coos County strain, is the true creeping bent. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these, new plants are produced, and these in turn grow more runners. The turf becomes matted, and if damaged it heals over promptly. Sow 1 pound to 200 square feet.

CHEWING FESCUE. Used extensively on putting greens, fairways and trees on golf courses, and does well on any kind of soil. It also produces a stiff, upright plant. Sow 1 pound to 150 square feet.

KENTUCKY BLUE GRASS. Makes an excellent lawn of a dark green color. It forms a fine mat. With care and water makes one of the best lawns. Sow 1 pound to 200 square feet.

SHADY BLUE GRASS (*Poa Trivialis*). An ideal perennial grass for shady spots which is closely related to Kentucky Blue Grass, but somewhat finer and softer in texture. It is a creeper with an apple-green color. Requires plenty of water. Sow 1 pound to 200 square feet.

SHADY LAWN MIXTURE. This grass is especially adapted for growing in very shady places or near buildings where other grasses will not grow. If you have a shady, barren place, try our Shady Lawn Mixture. Sow 1 pound to 200 square feet.

WHITE DWARF CLOVER. Very low growing sort, principally used in poor ground to give a green cover. Many like it in lawns, especially where grass does not do well. Sow 1 pound to 300 square feet.

RYE GRASS. A rapid growing grass where quick results are required. It is coarser than Kentucky Blue Grass and thrives in poor soil. It is used as a "nurse" crop in mixtures to keep the lawn green while the better, slow-growing varieties are becoming established. Sow 1 pound to 150 square feet.

RED TOP. A fine-bladed grass that succeeds on almost any soil, although it does best under moist conditions. It is used in almost all lawn mixtures. Should not be planted by itself unless specifically recommended. Sow 1 pound to 200 square feet.

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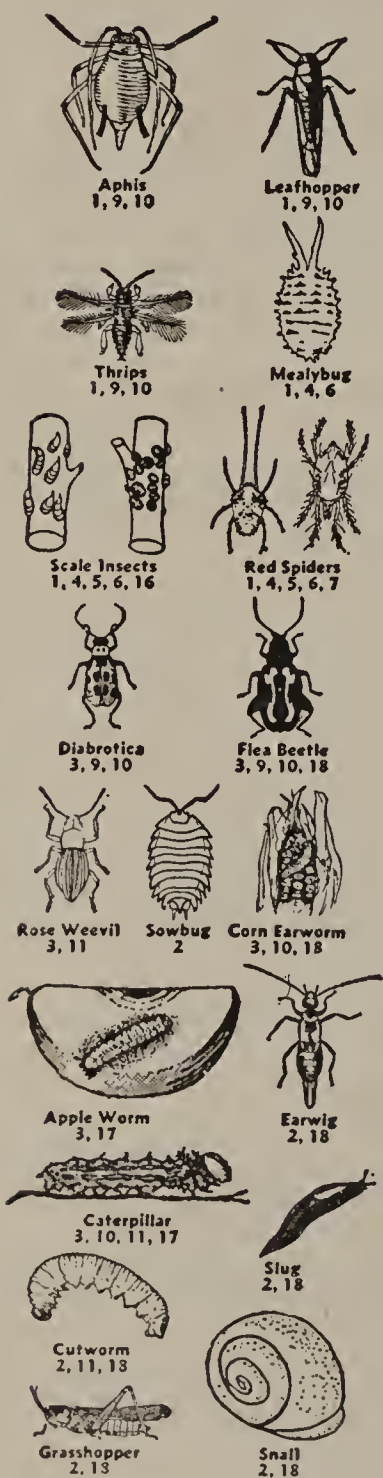
GARDEN SPRAYS



INSECTICIDES - FUNGICIDES

A GUIDE TO PEST CONTROL

The most common destructive insects are illustrated below (some greatly enlarged). The numbers indicate the products described on this page that are generally used in their control. Other pests are mentioned under product names.



1. Garden VOLCK Spray. The complete Contact Spray used for control of sucking insects, including Aphids, Thrips, Mealybug, Scale, White Fly, Red Spider, Cyclamen Mite, small worms, certain Beetles, Rose Mildew. Garden VOLCK Spray is now the best known all-around garden spray used by home gardeners.

3½-oz. bottle \$.35 1-gallon tin...\$3.00
1-pint bottle.. .85 5-gallon tin...10.00
1-quart bottle 1.25

2. BUG-GETA Meta-Acetaldehyde Bait. A specially prepared Bait that has proved quite effective for attracting and destroying Snails, Slugs, Sowbugs, Pillbugs, Earwigs, Cutworms, Armyworms, and Strawberry Root Weevils.

1-lb. carton\$.25 7½-lb. bag.... \$1.35
2½-lb. carton .50 30-lb. bag..... 3.75

3. Garden CALTOX. A combination Insecticide and Fungicide for dusting or spraying which has proved remarkably effective for control of Diabrotica Beetle, Flea Beetle and other Beetles; Corn Earworm; Roseslug and other worms; Peach Leaf Curl, Downy Mildew.

6-oz. ctn. (makes 8 to 16 gal. spray) \$.35
1-lb. ctn.....\$.58 3-lb. ctn..... 1.26

4. Nursery VOLCK. The improved VOLCK Oil Spray Emulsion. Long recognized as the best spray for Mealybug, Red Spider, Scale, White Fly. Also recommended as a carrier and spreader for Nicotine, Pyrethrum, Bordeaux, Caltox, Coposil, Lead Arsenate, in combination spray programs.

1-pint tin.....\$.50 1-gallon tin...\$2.00
1-quart tin..... .75 5-gallon tin.... 5.00

5. Garden KLEENUP. The Dormant Oil Spray Emulsion used on dormant deciduous trees and shrubs to kill San Jose Scale, Lecanium Scale, and other overwintering insect pests.

1-qt. tin (makes 6 gallons), each.....\$.50
1-gal. tin, each....\$1.00 5-gal. tin.... 3.00

6. ORTHO Mildew Spray. This new non-poisonous Emulsion shows remarkable fungicidal properties effective against many Powdery Mildews on Rose, Delphinium, Dahlia, Sweet Pea, and other plants. Also kills scale and Red Spiders.

8 oz.....\$.35 1-gal.\$2.00
1 qt.....\$.75 5-gal. 5.00

7. ORTHO Garden (Flotox) SULPHUR. A Superfine Powdered Sulphur suitable for use as a Dust or as a Liquid Spray to control Powdery Mildew, Apple Scab, Brown Rot, Red Spider, etc.

2-lb. carton....\$.25 5-lb. carton....\$.50

8. INFERNO Flour Sulphur. An all-purpose ground sulphur suitable for burning, dusting or soil treatment.

12½-lb. bag.....\$.75

9. Garden Nicotine TENDUST. A High-Kill Nicotine Dust excellent for killing Aphids, Leafhoppers, and Thrips.

1-lb. tin.....\$.50 5-lb. tin.....\$1.50

10. Garden BOTANO Dust. A high strength Rotenone dust useful in controlling certain Aphids, Thrips, Worms, Beetles, Spittle Bugs on vegetables or other plants where a non-poisonous residue is desired. Packed in new "puffer-duster" carton.

1-lb.....\$.35 4-lb.....\$.75

11. DEADLINE Insect Barrier. A sticky compound which is applied to form a barrier around tree trunks, etc., thereby safeguarding trees, nursery stock, vines, roses, etc., from climbing or crawling pests such as Ants, certain Caterpillars, Cutworms, Fullers Rose Beetle, certain Red Spiders, etc.

6-oz. tin.....\$.35 5-lb. tin.....\$3.00
1-lb. tin..... .65 10-lb. tin..... 5.00

12. ORTHO RODENT DESTROYER. A balanced strychnine-poisoned ration containing Wheat, Barley, Oats, Fruits used to kill Squirrels, Gophers, Rats and Mice. Longer lasting, waterproof, more effective.

6-oz. carton....\$.29 5-lb. carton..\$1.50
1-lb. carton.... .50 25-lb. sack..... 4.50

13. TRIOX WEED KILLER. The improved "Ortho" Weed Killer, used to kill weeds on paths, roads, curbs, tennis courts, parking lots, athletic fields, etc.

1-pt. tin, ea...\$.40 1-gal. tin, ea. \$1.50
1-qt. tin, ea... .60 5-gal. tin, ea. 5.00

14. Garden COPOSIL Fungicide. This neutral, colloidal copper fungicide has proved remarkably safe and effective in controlling certain Blights, Scabs, Mildews, Leafspots, Leaf Curl, etc. Reduces unsightly residue on ornamental plants to a minimum.

8-oz. carton (makes 10 to 20 gallons dilute spray)\$.35

4-lb. bag (makes 80 to 160 gallons dilute spray) 1.00

15. ORTHO Garden BORDO. A powerful Bordeaux Mixture widely used to control fungous diseases such as Peach Curly Leaf, Peach Blight, Pear Scab, Strawberry Rust, Potato Blight.

1-lb. carton....\$.30 4-lb. bag.....\$.60

16. ORTHO Garden LIME-SULPHUR. A Fungicide-Insecticide, used to control certain fungous diseases, Scale, Red Spider, etc. This is a dry, powdered Lime-Sulphur.

1-lb. tin.....\$.35 5-lb. tin.....\$1.50

17. ORTHO Garden LEAD ARSENATE. Used as a spray or dust to control chewing insects such as Beetles, Caterpillars and Worms. This Basic Form of Lead Arsenate is safer to foliage than ordinary Standard (acid) Lead Arsenate.

1-lb.....\$.35 4-lb. bag.....\$.90

18. ORTHO Garden CALCIUM ARSENATE. A strong stomach poison used in making poisoned baits for the control of Snails, Cutworms, Grasshoppers. Also used to control certain Beetles and Worms.

1-lb. carton....\$.25 4-lb. bags.....\$.50

● SCRAM, A Dog Repellent. A powder used around lawns, shrubs, etc., to keep dogs away.

Special Shaker Package.....\$.49

FIELD SEEDS

Write for Our
Competitive Prices

ALFALFA

Sow 12 to 15 lbs per acre.

DOMESTIC ALFALFA. Fancy Domestic High Altitude Seed. Hardy anywhere, high purity and germination.

DOMESTIC ALFALFA (Dry Land Grown). Grown in the dry plains region without irrigation. Very hardy and productive.

GRIMM ALFALFA. State Sealed and Certified Seed. Grimm Alfalfa is a very hardy and consistent producer, and is recommended for all sections where alfalfa is considered to have a place.

GRIMM ALFALFA (Growers' Affidavit Seed). This seed is as good and pure and will produce as much fine hay per acre as the certified seed.

BARLEY

Sow 120 to 150 lbs per acre.

SUCCESS BEARDLESS BARLEY. Spring. Straw about height of common barley. Stands up better than other varieties. Contains no beard.

WHITE HULLESS OR BALD BARLEY (Beardless). An early spring variety. When threshed is hullless like wheat.

HANNCHEN BARLEY. Heavy yielding, spring variety, medium early, white, two row, bearded type.

TREBI BARLEY. Spring. This is a six-rowed, bearded, hulled barley adapted to irrigated conditions. Though it is rough awned the awns thresh free from the grain, thus eliminating danger in feeding.

BUCKWHEAT

Sow 50 to 60 lbs. per acre.

JAPANESE. This is the largest growing buckwheat. The plant makes a more vigorous and larger growth than the common kind and yields more. Adapted throughout the Northwest.

SILVER HULL. The kernels are gray and are much smaller than the Japanese variety. They are very plump and heavy and make excellent flour. Also adapted throughout the Northwest.

CLOVER

MAMMOTH RED CLOVER. Also called "Pea Vine" Clover. This variety grows larger and coarser than the medium and is often used for plowing under to enrich the soil. American grown seed. 6 to 10 lbs per acre.

HUBAM ANNUAL SWEET CLOVER. Hubam Clover has come rapidly to the front as an emergency pasture and hay crop. Hubam is an annual legume. It is best suited for the corn belt section, grows from 3 to 7 feet high.

LADINO WHITE CLOVER. Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Medium heavy types of soil. Sow 4 to 6 lbs. per acre.

WHITE DUTCH CLOVER (*Trifolium repens*). A very hardy creeping clover, which adapts itself to a great variety of soils and climates. Superior for pasture either for sheep or cattle. As a bee pasture it is unexcelled. Sow 6 to 8 lbs. per acre.

YELLOW SWEET CLOVER, BIENNIAL (*Melilotus officinalis*). In great demand on account of its earliness, being about two weeks earlier than the white. Produces high quality hay. Sow 12 to 15 lbs. per acre.

WHITE SWEET OR BOKHARA CLOVER, BIENNIAL (*Melilotus Alba*). Excellent for pasture, hay and a soil improver. More drouth-resistant than alfalfa and will generally produce a large crop of seed and hay the second year. Thrives on light alkali soil. Sow 12 to 15 lbs. per acre.

CRIMSON OR SCARLET CLOVER (*Trifolium incarnatum*). Highly recommended for pasture and fertilizing purposes. A thrifty annual. Germinates quickly, grows rapidly, stools abundantly. Spring seeded. Sow 12 to 15 lbs. per acre.

RED CLOVER (*Trifolium pratense*). Is excellent for pasture and hay purposes. Will thrive in slightly wetter and more acid land than alfalfa. Is used in the higher altitudes and colder sections. Sow 6 to 10 lbs. per acre.

ALSIKE (*Trifolium hybridum*). Very hardy, adapted for sowing on cold, wet land. It yields a large amount of hay or pasture and is a good bee plant. Sow 8 to 10 lbs. per acre.

FIELD CORN

See Vegetable Seed, page 5

FLAX

FLAX may be grown with good success in the West. It matures quickly and may be planted as late as the middle of June and mature seed. Yields 10 to 20 bushels per acre. May be used with success as a nurse crop for clovers and grasses where there is plentiful summer moisture. Sow 42 lbs. per acre.

GRASSES

BROMUS INERMIS (Awnless Brome Grass). The best grass we have for the drier regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 lbs. per acre. Spring or fall.

MEADOW FESCUE (*Festuca pratensis*). This is a very valuable species for permanent grass lands and is relished by livestock both as hay and pasture. Sow 15 to 20 lbs. per acre on well prepared soil.

MESQUITE (*Holcus lanatus*). Used on burned over, virgin soils. No cultivation is necessary. Sow 15 lbs. per acre.

OAT GRASS, TALL MEADOW. The earliest grass to start in the spring and holds well into the fall. Withstands rather dry, warm and cold conditions much better than many other grasses. A long-lived, deep rooted perennial. Grows equally on bottom or upland. Sow 20 to 30 lbs. per acre.

ORCHARD GRASS OR COCKSFOOT (*Dactylis glomerata*). Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Sow 20 to 28 lbs. per acre.

ENGLISH RYE GRASS (*Lolium perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Sow 25 to 30 lbs. per acre.

ITALIAN RYE GRASS (*Lolium multiflorum*). A quick growing grass, attaining a height of 2½ to 4 ft., desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Sow 25 lbs. per acre.

OREGON RYE GRASS. Similar to Italian. The finest rye grass grown; superior to imported. Sow 25 lbs. per acre.

TIMOTHY (*Phleum pratense*). This is a very valuable grass for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 8 to 10 lbs. per acre.

PASTURE MIXTURE FOR BURNED-OVER LAND. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes. Sow 10 lbs. per acre.

SUDAN GRASS. An excellent annual drouth resisting forage plant. All stock relish it. Seed in spring after soil is warm. Sow 20 to 30 lbs. per acre.

RED TOP (*Agrostis alba*). A valuable grass for most soils. It is a good, permanent grass. It should be grazed close. Grows successfully on "alkali" bottom lands, where other grasses failed. Sow 10 to 15 lbs. per acre.

KENTUCKY BLUE GRASS. This is an excellent grass for pasture for all kinds of stock. It is very hardy. The roots form a tough sod. Blue Grass requires two years to get well started and for that reason is often sown in mixture with other grasses. Sow 20 to 25 lbs. per acre.

CRESTED WHEAT GRASS. This is the valuable plant for our Western country and thrives well in semi-arid sections. It is one of the best and surest hay grasses for these sections. It withstands drought and the cold winters. As a mixture it does fine with Brome grass. Sow 10 to 15 lbs. per acre.

REED CANARY GRASS (*Phalaris arundinacea*) is an extremely hardy perennial production of hay and pasture on land too wet for common farm crops, but will provide hay and pasture crop on land where the water table is practically at the surface of the soil all of the time and above the surface part of the time. Sow 8 to 10 lbs. per acre.

MILLETS

JAPANESE BARNYARD MILLET. This millet is exceedingly palatable and is the best of summer green feeds for the cool coast sections. Sow 20 to 30 lbs. per acre.

GERMAN OR GOLDEN (*Chactochloa italica*). Will grow on any good land and yields heavily when irrigated. Yields from 30 to 40 bushels of seed per acre, and is excellent food for stock and poultry. Also a good green fodder and hay plant.

HOG OR PUOSO. The seed is large. Feeding value almost equal to corn. It is a valuable feed for hogs and cattle as well as for birds and poultry.

OATS

Sow 60 to 80 lbs. per acre.

VICTORY is similar to Swedish Select in season. Grain of medium size, short, plump, white, thin hull, nearly beardless. A heavy yielder. The straw is very stiff and firm.

SWEDISH SELECT. Kernel is white, large and plump, hull thin, and straw is stiff and strong. Does not lodge. A remarkable root development makes the Swedish Select oat a good drought-resister, and especially suited to high land. It is the earliest of the heavy yielding sorts.

IDAMINE OATS. These oats are very handsome and heavy white oats of great productiveness, and have become very popular. They do very well on ordinary soil. Large yields have been reported from these oats.

FIELD PEAS

AUSTRIAN WINTER PEAS. Here is the ideal forage legume for hay, ensilage or for pasture. The vines and pods are almost as large and heavy as garden peas. The vines are relished by all kinds of stock. Plant in the fall for best results. Will not winter-kill. Does well under irrigation and in relatively humid sections. Sow 30 to 35 lbs. per acre.

CANADIAN. This legume has the distinct advantage of being suited to late planting. Canadian Field Peas produce excellent forage. May be used for summer green manure crop. Requires considerable moisture. Sow 120 to 150 lbs. per acre.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep, cattle, and hogs. It also makes splendid green feed for poultry. Plant in early spring. Requires fertile, moist soil. Sow 10 lbs. per acre.

RYE

Sow 85 to 115 lbs. per acre.

SPRING RYE makes a successful growth in rather poor soils where other grains would fail. It is useful as a cleaning crop for the purpose of eradicating wild oats. Makes early pasture and may be cut and cured for hay.

WINTER OR FALL RYE serves a very useful purpose for pasture and hay. May be sown in the spring and summer as well as in the fall. When Winter Rye is sown after frost it goes into the following season before maturing.

ROSEN OR PETKUSER RYE. A Winter Rye of recent introduction and is becoming very popular among growers of Winter Rye. It is said to yield more grain, stools more, and is hardier than the older types of Winter Rye.

SOYBEANS

SOYBEANS are annual legumes widely adapted to various soils. Soybeans hay is one of the best roughages and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard. Sow 25 lbs. per acre.

VETCH

Sow 40 to 60 lbs. per acre.

COMMON VETCH. Resembles peas and valuable for forage and green manure. As a hay crop it is generally sown with oats or wheat to afford support for the vines. Usually sown in the fall. Best adapted to sections west of Cascade Mountains.

HAIRY VETCH (*Vicia Villosa*). Thrives on sandy soils that may be somewhat low in fertility, and makes a better growth during the cold season than the other varieties. Has very wide adaptability.

HUNGARIAN. Finer stemmed and leafier than most forage vetches. Suitable to various types of soils. Resistant to aphid attacks.

WHEAT

Sow 75 to 90 lbs. per acre.

MARQUIS SPRING WHEAT is the standard, hard, red, spring wheat for irrigated sections of the West. It is early maturing and high yielding. Is beardless, short, stiff strawed.

TURKEY RED WINTER WHEAT. A standard red bearded wheat with a strong straw. It is early ripening. Kernels are large, red and hard. It is in good demand by millers.

CERTIFIED FEDERATION WHEAT. SPRING WHEAT. It is a hard flint wheat. The government test proves it to be high in gluten and high in yield of flour, making it one of the best milling wheats. Beardless and a heavy producer, and should be an excellent variety for the Northwest. We highly recommend it.

SUNFLOWER

MAMMOTH RUSSIAN. Heavy producer of forage and seed. Of value for silage and seed production. Plant 10 lbs. per acre.



The Original Legume Inoculator
NITRAGIN
Forty Years of Service

Don't Lose Those Extra Profits by Failing to Inoculate Your Legume Seeds with →

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders.

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play safe!

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture — tested and guaranteed — easy to apply — packed with Billions of fresh bacteria — the cheapest legume crop insurance money can buy. Directions on every can.

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Retail
1/2 bu. ea.....	\$.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

LESPEDEZA Hulled or Unhulled

Size	Retail
1 bu. ea.....	\$.30
2 bu. ea.....	.50
5 bu. ea.....	1.00

PEAS (All Varieties)

Size	Retail
1/2 bu. ea.....	\$.25
1 bu. ea.....	.40
1 2/3 bu. ea.....	.60
5 bu. ea.....	1.70
12 1/2 bu. ea.....	4.00

SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS

1 bu. ea.....	\$.30
2 bu. ea.....	.50
5 bu. ea.....	1.00
10 bu. ea.....	1.60
25 bu. ea.....	3.00

BEANS

String, Wax, Kidney	Retail
1/2 bu. ea.....	\$.25
1 bu. ea.....	.40
5 bu. ea.....	1.70

GARDEN SIZE

Garden Peas and Beans
Sweet Peas and Lupines
Enough for 4 lbs. seed
Retail Price 10c each.

NITRAGIN — Oldest and Most Widely Used Inoculator in America

CYCLONE SEED SOWER

Guaranteed to distribute seed perfectly, direct and evenly to the land. Sows clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip and other varieties of farm seeds. Clover seed is sown at a width of 18 feet; timothy, 15 feet; alfalfa, 20 feet; wheat, 25 feet; millet, 18 feet; oats, 18 feet. Price, \$2.60 each, postpaid; \$2.45 each, not postpaid.

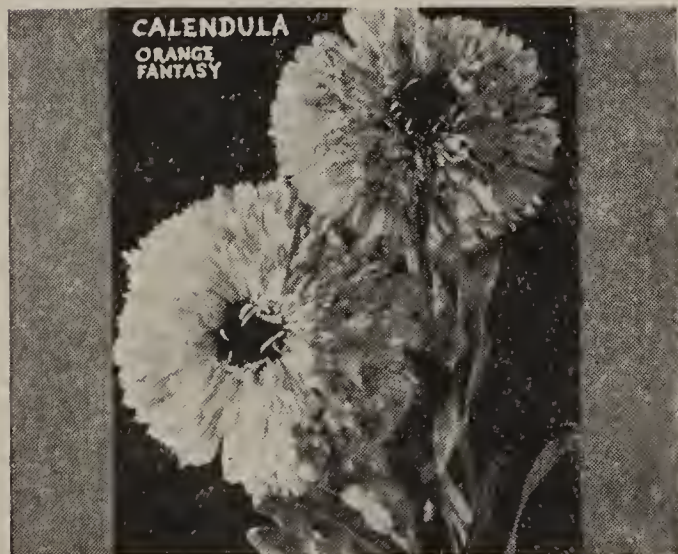




**ZINNIA
FANTASY**
White Light



**CORNFLOWER
JUBILEE GEM**



**CALENDULA
ORANGE
FANTASY**



**MARIGOLD ORANGE
SUNSET**

NEW FLOWER SEEDS

CALENDULA, ORANGE FANTASY

Silver Medal, All-America Selections 1938

Distinct. Rather dwarf, heavy foliaged plants, 18 to 24 inches. Crested flowers of coppery orange, with petals edged mahogany. True. A fine novelty. **Pkt. 15c.**

CORNFLOWER, JUBILEE GEM

Silver Medal, All-America Selections 1937

Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow. As an edging plant, a border plant, or for ground work in formal beds of roses, etc., it will be found admirable. A fine cut flower. It may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. **Pkt. 15c.**

NEW COLLARETTE MARIGOLD, CROWN OF GOLD

Gold Medal, All-America Selections 1937

A new kind of Marigold with a Chrysanthemum-like crown surrounded by a collar of big, broad petals of the same color, bright golden orange. It is the only Marigold with entirely odorless foliage. The flowers have a delicate fragrance. Plants grow about 2 feet tall, bloom early, profusely and continuously until frost. Lovely in the garden; wonderful for cutting. **Pkt. 15c.**

CHRYSANTHEMUM MARIGOLDS

(Illustrated on front cover.)

A new strain of Marigold Hybrids identical in form of flower with the lovely incurved Chrysanthemum. Plants are very floriferous and the stems are good and strong for cutting. A great advance in African Marigolds and comes in orange, golden orange, and yellow. **Pkt. 25c.**

PETUNIA HYBRIDA, HOLLYWOOD STAR

Silver Medal, All-America Selections 1939

A charming shade of rich rose with an amber throat. Unique in the form of its flower which consists of a five-pointed star. This is a very fine garden variety as it is early, free blooming and the strong vigorous plant is so smothered with blooms that very little foliage shows. **Pkt. 35c.**

SCABIOSA IMPERIAL GIANTS, BLUE MOON

Honorable Mention, All-America Selections 1939

An entirely different and improved flower and plant form from existent Scabiosa varieties. Broad, heavy, wavy petals, eliminate the pin-cushion center entirely. Flowers are fully double, extremely large and deep. The color is a rich deep lavender blue, a luscious shade which maintains its effectiveness indoors or out. An ideal cutting type. **Pkt. 25c.**

PHLOX GIGANTEA, SALMON GLORY

Silver Medal, All-America Selections 1939

A good salmon in Phlox Drummondi Gigantea type. The individual florets are gigantic for Phlox, measuring from 1 1/4 to 1 1/2 inches in diameter. Color is a pure salmon pink with a distinct creamy-white eye. This combination with its clear, clean, crisp appearance, makes one of the most beautiful color combinations ever seen. **Pkt. 25c.**

COSMOS, SENSATION PINKIE

The finest new development in Cosmos. Flowers are very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants are 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. **Pkt. 15c.**

COSMOS, SENSATION PURITY

Purity is the glistening white Cosmos in the Sensation type as Pinkie is the delightful rose pink shade. **Pkt. 15c.**

ASTER EARLY GIANT WILT-RESISTANT, LIGHT BLUE

Silver Medal, All-America Selections 1939

Of the same excellent early blooming, semi-tall basal branched, non-lateral type, Light Blue is a very worthy companion to its sister variety, Peach Blossom. Both are fully wilt-resistant, extremely large flowered and most attractive colors. The color is a rich light blue, a shade which blends in beautifully with either deeper or lighter tones. **Pkt. 25c.**

MARIGOLD GIGANTEA, ORANGE SUNSET

A distinct new color, flowers of Orange Sunset, which average 5 inches and over in diameter, are loosely formed, very full centered, with broad, heavy wavy petals which gracefully overlap. Color is a deep, rich, lively orange, one of the most admired shades found in the Sunset Giants. An ideal cut flower. Height 3 feet. **Pkt. 25c.**

ZINNIA FANTASY, WHITE LIGHT

Honorable Mention, All-America Selections 1939

As near to pure white as any Zinnia yet developed, Fantasy White Light is an excellent addition to the group of white flowers so much in demand. Practically 100% true to color, the medium sized, shaggy petaled, informal flowers of this type, are lovely in flower arrangements. The free blooming plants, 2 1/2 to 3 feet in height, have stems of good length for cutting and will flower in 45 to 50 days after seed is planted. **Pkt. 25c.**

ANNUAL AND PERENNIAL FLOWER SEEDS

ACROCLINIUM, Everlasting (a)

Double daisy-like flowers, in rose and white shades, about an inch in diameter; make fine bouquets as fresh blooms, but are fine to keep as winter bouquets. Height 15 inches. **DOUBLE MIXED. Pkt. 10c.**

AGATHEA, Blue Marguerite (p)

Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. Bloom the first season from seed. Height 12 inches.

COELESTIS. Pkt. 10c.

AFRICAN DAISY (See Dimorphotheca)

AGERATUM, Floss Flower (a)

One of the most popular Summer blooming plants grown from seed, being literally covered with flowers from early Summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

BLUE BALL. Compact round plants, 6 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. **Pkt. 10c.**

BLUE PERFECTION. Clear deep amethyst blue, of compact growth and the finest of all large-flowering ageratum. Height 1 foot. **Pkt. 10c.**

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in Summer, or for growing in pots and boxes for Winter blooming.

CARPET OF SNOW (ra). White flowers on plants only 3 inches tall. Rapidly becoming a favorite variety. **Pkt. 10c.**

LILAC QUEEN (a). Of dwarf, compact growth; flowers pure lilac color. Height 6 inches. **Pkt. 10c.**

SAXATILE COMPACTUM. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Height 12 inches. **Pkt. 10c.**

AMARANTHUS, Summer Poinsettia (a)

Brilliant-foliaged annuals, bearing curious racemes of flowers. All are useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location and not too rich soil.

MOLTEN FIRE. Leaves dark bronze, center Poinsettia red. Height 4 feet. **Pkt. 15c.**

Mixed. All sorts. **Pkt. 10c.**

ANCHUSA, Summer Forget-Me-Not

A free-flowering class, producing its charming Forget-me-Not-like blooms in graceful sprays from early Summer until late Fall.

BLUE BIRD (a). Deep blue flowers on plants 18 inches tall. **Pkt. 10c.**

ANTIRRHINUM, Snapdragon (a)

Snapdragons are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

Super Giants, Rust Resistant

30 to 36 inches tall.

APPLE BLOSSOM. Rosy pink, white tube. **Pkt. 15c.**

CAMPFIRE. Luminous scarlet. **Pkt. 15c.**

CANARY BIRD. Canary yellow. **Pkt. 15c.**

COPPER KING. Bronzy copper. **Pkt. 15c.**

CRIMSON. Fiery crimson. **Pkt. 15c.**

LOVELINESS. Soft rose pink. **Pkt. 15c.**

FINEST MIXED. Pkt. 10c.

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.



Ageratum

Large Flowered, Half Dwarf

CARMINE ROSE. Bright carmine rose. **Pkt. 15c.**

GLOWING SUNSET. Rosy scarlet. **Pkt. 15c.**

INDIAN GIRL. Old gold. **Pkt. 15c.**

ORANGE. Orange suffused pink. **Pkt. 15c.**

WILDFIRE. Bright orange scarlet. **Pkt. 15c.**

FINEST MIXED. Pkt. 10c.

ARMERIA, Sea Pink or Thrift (p)

Very pretty hardy perennial with slender leaves and rosy-pink flowers. Invaluable for edging. Height, 8 inches.

FORMOSA. Pkt. 10c.



Antirrhinum



Columbine (Aquilegia)

AQUILEGIA, Columbine (p)

These are among the most beautiful of Spring and early Summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

MRS. SCOTT ELLIOTT'S STRAIN. One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. **Pkt. 20c.**

ARCTOTIS, Blue-Eyed African Daisy (a)

This is a sun loving plant better suited to American conditions than any other African Daisy. The petals are white with light lilac backs, radiating from a steel blue and yellow center. Thrives in dry places. Height, 2 to 3 feet.

GRANDIS. **Pkt. 10c.**

ASTER (a)

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation. Height, 1 to 3 feet.

ASTER EARLY GIANT WILT-RESISTANT, Light Blue. (See page 16.)

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list. **Finest Mixed. Pkt. 15c.**

ASTER, CREGO ENCHANTRESS. A luscious shade of lively salmon rose. Distinct and new from all other colors yet developed in Asters. Flowers large, of good substance, and are produced on free flowering, branching, wilt resistant plants. **Pkt. 25c.**

ASTER, ILLUSION. Another new color in a wilt resistant Aster. A soft, apricot pink. The plants are upright, about two feet tall and very free blooming. Fine for cutting. Flowers during mid-August. **Pkt. 25c.**

ASTER SUPER GIANT EL MONTE. Special Mention, All-America Selections, 1936. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. **Pkt. 15c.**



Aster, Crego Enchantress

SUPER GIANT LOS ANGELES. Award of Merit, All-America Selections, 1934. The first introduction in modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Long, stiff stems, bearing the large shell pink flowers smartly upright. **Pkt. 15c.**

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Crimson. Glowing deep rose-crimson. **Pkt. 10c.**

Pink. Attractive light shell pink. **Pkt. 10c.**

Cattleya. Fascinating shade of orchid. **Pkt. 10c.**

Purple. Showy violet purple. **Pkt. 10c.**

Rose. Lovely bright carmine rose. **Pkt. 10c.**

White. Purest white, large and fluffy. **Pkt. 10c.**

Crego's Finest Mixed. Pkt. 10c.

SINGLE CHINA ASTERS. Wilt Resistant. Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single Asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

Mixed Colors. Pkt. 10c.

IMPROVED GIANTS OF CALIFORNIA SUNSHINE (Single Crested). This fascinating new Aster type, rightly called the most beautiful in the world. The flowers, 4 to 5 inches across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Stems are long and heavy, on plants from 2 to 3 feet in height.

Finest Mixed. Pkt. 15c.

AMERICAN BRANCHING. Wilt Resistant. Plants 2½ to 3 feet tall, branching, robust, flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

Finest Mixed. Pkt. 10c.

AUBRETIA, False Wall Cress (p)

Pretty dwarf-growing rock plants, forming broad masses of silvery green foliage and sheets of flowers in Spring and early Summer. Height, 6 inches.

Large Flowering Hybrids, Mixed. Pkt. 20c.

BABY'S BREATH (See Gypsophila)

BACHELOR'S BUTTON (See Centaurea)

BALLOON VINE, Love-in-a-Puff (a)

A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons.

CARDIOSPERMUM. Pkt. 10c.

BALSAM, Lady Slipper (a)

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

BUSH FLOWERED TORCH. Brilliant vermilion red; dwarf. Pkt. 15c.

CAMELIA FLOWERED. Finest mixed. Pkt. 10c.

BEAN (a)

A rapid climber, flowering profusely; grows 10 to 15 feet high.

SCARLET RUNNER. Pkt. 5c.

BELLIS, English Daisy (p)

A favorite perennial, which will stand the Winter if given the protection of a little litter. In bloom from early Spring until well on in the Summer. Seed may be sown any time from Spring until August. For best results, new plants should be raised from seed each year. Height, 3 to 6 inches. **Double Finest Mixed.** Pkt. 10c.

BLACK-EYED SUSAN (See Thunbergia)

BLUE MARGUERITE (See Agathea)

BRACHYCOME, Annual Cineraria (a)

Brilliant free-flowering annual blooming throughout the Summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 6 to 12 inches. **Mixed Colors.** Pkt. 10c.



Calliopsis

CALENDULA, Pot Marigold (a)

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early Summer and continues into the Fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height..

CALENDULA, Orange Fantasy. (See page 16.)

CAMPFIRE IMPROVED. A very deep strong orange with distinct scarlet sheen on upper side of each petal. Blooms flat across top and measure 4 inches in diameter. Plants are strong growing and even in habit. Exceptionally long heavy cutting stems in generous quantity on each plant. Pkt. 15c.

NEW SUNSHINE CALENDULA, CHRYSANTHA. Gold Medal Winner, All-America Selections, 1934. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges. Flowers mounted on strong, wiry stems a foot in length; excellent for cutting. Pkt. 10c.

RADIO. A late English introduction, a distinct new break. Flowers very full, petals quilled. Color a rich glowing orange. Pkt. 10c.

ORANGE KING. Extra select stock, producing magnificent flowers of a deep orange color. Suitable for garden culture because it resists hot sun. Flowers are borne abundantly on sturdy compact plants. Pkt. 10c. **Double Mixed.** Pkt. 10c.

CALIFORNIA POPPY (See Eschscholtzia)

CALLIOPSIS, Tickseed (a)

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early Spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until Autumn. Height, 1/2 to 2 1/2 feet.

DRUMMONDI (Golden Wave). Golden yellow, center dark, brownish red. Pkt. 10c.

Tall Mixed. Pkt. 10c.

Dwarf Mixed. Pkt. 10c.

CAMPANULA, Canterbury Bell

CAMPANULA MEDIUM. (b) One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during Spring and Summer. Sow seed in late Spring or Fall in seed beds or boxes and later transplant.

Single Mixed. Pkt. 10c.

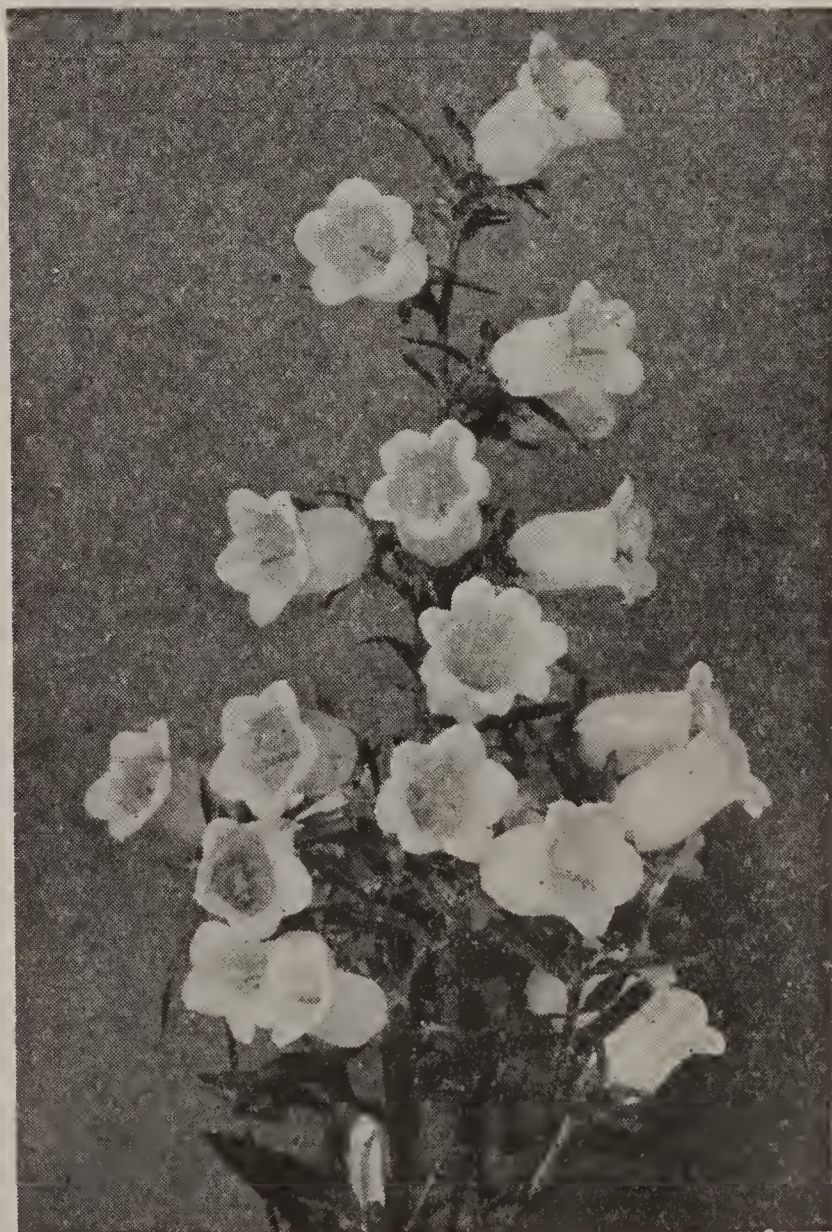
Double Mixed. Pkt. 10c.

CALYCANTHEMA. (b) (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounding at the base by a large calyx of similar color, the whole resembling a cup and saucer.

Finest Mixed. Pkt. 10c.

ANNUAL CANTERBURY BELLS. (a) Gold Medal, All-America Selections, 1933. We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. When planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white.

Finest Mixed. Pkt. 15c.



Campanula (Canterbury Bell)

CANDYTUFT, *Iberis* (a)

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. Height, 1 foot.

CORONARIA. Giant white Hyacinth flowered. Pkt. 10c.
UMBELLATA. Mixed. Pkt. 10c.

CARDINAL CLIMBER (ac)

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all Summer.

IPOMOEA CARDINALIS. Pkt. 10c.



Carnations

CARNATION, *Dianthus Caryophyllus* (p)

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

CHABAUD GIANT. 18 inches. This variety blooms six months after seeding and continues throughout the Summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size.

Mixed. Pkt. 10c.

CASTOR BEAN (See Ricinus)

CELOSIA, Cockscomb (a)

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

CRISTATA. Choice mixed; height, 9 to 18 inches. Pkt. 10c.

PLUMOSA (Improved Feather Type). Choice mixed; height, 2 feet. Pkt. 10c.

CENTAUREA

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

CYANUS DOUBLE (a) (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets. Height, 2 to 3 feet. Mixed. Pkt. 10c.

SWEET SULTAN. (a) These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed. Pkt. 10c.



Coronarium Chrysanthemum

CHINESE LANTERN PLANTS

(See *Physalis Francheti*)

CHRYSANTHEMUM (a)

A showy and much admired class of flowers. Large, daisy-like blooms borne profusely during the Summer and Fall. Excellent for beds, borders and cutting.

FINEST SINGLE MIXED. Includes all colors and gives a wonderful display in beds or borders. Pkt. 10c.

CORONARIUM, DOUBLE MIXED. Lovely button-shaped blooms, 1½ inches across. Fully double; 18 inches tall. Pkt. 10c.

CLARKIA (a)

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

ELEGANS. Double. Choice mixed. Height, 2 feet. Pkt. 10c.

COCKSCOMB (See Celosia)

COLUMBINE (See Aquilegia)

CONE FLOWER (See Rudbeckia)

COREOPSIS (p)

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height, 3 feet.

LANCEOLATA GRANDIFLORA. Single golden yellow flowers of graceful form. Pkt. 10c.

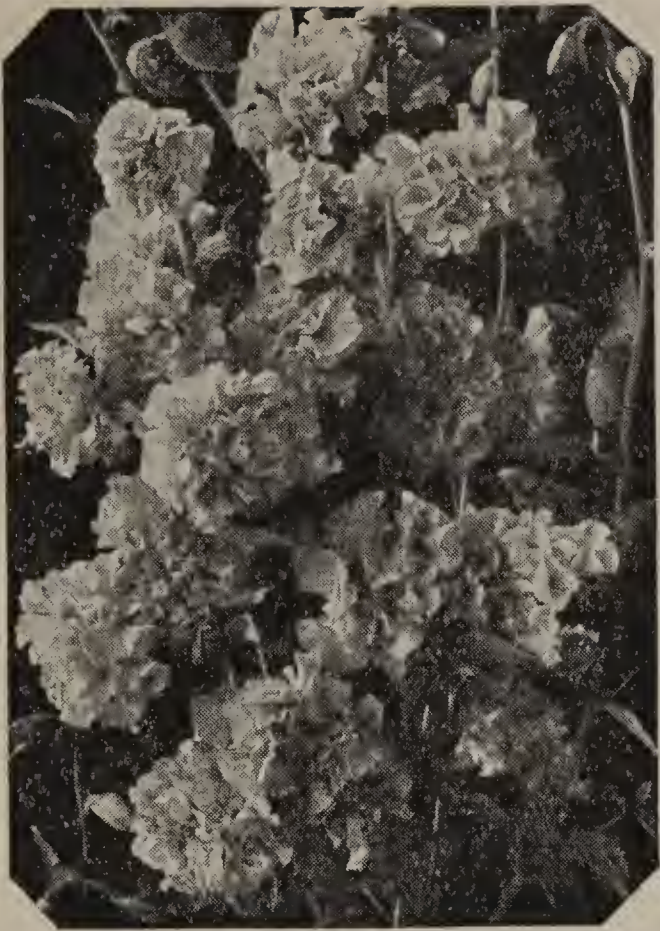
GRANDIFLORA DOUBLE SUNBURST. Much of the beauty of early Summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. Pkt. 20c.

CORNFLOWER (See Centaurea)

CORNFLOWER, Jubilee Gem. (See page 16.)

DAHLIAS (From Seed) (rp)

UNWIN'S DWARF HYBRIDS. These double and semi-double dahlias are one of England's best contributions to the flower world. They grow from 18 inches to 2 feet tall and come in many delightful shades. Plants are compact and as easy to grow as zinnias. Bloom the whole Summer. Mixed Colors. Pkt. 25c.



Clarkia, Elegans

COSMOS (a)

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late Summer and Fall. Fine for cutting as the flowers last well in water, Cosmos are easy to grow.

COSMOS, SENSATION PINKIE. (See page 16.)

COSMOS, SENSATION PURITY. (See page 16.)

EARLY KLONDYKE ORANGE FLARE. Grand Champion Gold Medal, All-America Selections, 1935. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3 foot plants. Its most remarkable feature, however, is its early blooming habit. It blooms from mid-summer until frost. **Pkt. 10c.**

ERLY SINGLE. Grows 5 feet tall and blooms several weeks before the late-flowering varieties. Flowers 3 inches across. **Mixed. Pkt. 10c.**

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

EARLY DOUBLE, mixed. Pkt. 15c.

CYPRESS VINE (See Ipomoea Quamoclit)

DIANTHUS, Pinks (a)

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

LACINIATUS SPLENDENS. Free flowering and easily grown, neat and compact in habit, bearing generous quantities of its large, sweet scented single flowers of brilliant crimson, with a white eye. **Pkt. 15c.**



Cosmos, Sensation White

HEDDEWIGII LACINIATUS DOUBLE MIXED (Japan). Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. **Pkt. 10c**

HEDDEWIGII SINGLE MIXED. Large finely marked flowers having fringed petals. **Pkt. 10c.**

DELPHINIUM (p)

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubby background. Above the deeply cut dark green leaves rise long floral spikes. Height, 1 to 8 feet.

DELPHINIUM. (See inside front cover.)

TALL HYBRIDS. Handsome sorts adapted to backgrounds. Plants grown from early sown seed will flower late the first season, but reach their full development the second year and thereafter. Height, 5 feet.

BELLADONNA. A delightful shade of silvery blue. **Pkt. 15c.**

BELLAMOSUM. Rich, deep and intense blue. **Pkt. 15c.**

BLACKMORE and LANGDON HYBRIDS. Latest and highest development of the Hollyhock type of Delphinium. Very large single, semi-double, and double flowers. All the pastel shades from very light blue to indigo. **Pkt. 25c.**



Digitalis

DIDISCUS, Blue Lace Flower (a)

An upright, very much-branched plant about 2 feet high. Each branch ends in an umbel of sky-blue flowers. It is easily grown and a splendid cut flower, lasting unusually long in water. Seed may be sown outdoors in a well prepared soil.

COERULEUS BLUE. Pkt. 10c.

DIGITALIS, Foxglove (b)

This ornamental hardy plant is used extensively for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July. Height, 4 to 6 feet.

GLOXINIAEFLORA. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. **Mixed Colors. Pkt. 10c.**



California Poppy

DIMORPHOTHECA **African Golden Daisy (a)**

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

AURANTIACA HYBRIDS. The flowers are equally large, but vary in color from the purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. **Pkt. 10c.**

ORANGE IMPROVED. **Pkt. 10c.**

ENGLISH DAISY (See Bellis)

ESCHSCHOLTZIA, California Poppy (a)

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown. Height, 12 to 18 inches.

RAMONA HLBRIDS. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled. **Mixed Colors. Pkt. 10c.**

DOUBLE ESCHSCHOLTZIA. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are yellow, orange, salmon. **Mixed Colors. Pkt. 10c.**

AURANTIACA, ORANGE. The ordinary California Poppy. **Pkt. 10c.**

EVENING PRIMROSE, Oenothera (b)

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candelabra. Height, 2 to 6 feet.

LAMARCKIANA. Pkt. 10c.

FLAX (See Linum)

FORGET-ME-NOT, Myosotis (b)

The Alpestris varieties bloom in April and are largely used for bedding and borders, while other varieties bloom in May and continue until frost. Height, 6 to 12 inches.

ALPESTRIS, BLUE. Blue with white eyes. **Pkt. 10c.**

FOUR O'CLOCK, Marvel of Peru (a)

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

TALL, MIXED. 2 feet tall, in many fine colors. **Pkt. 10c.**

FOXGLOVE (See Digitalis)

GAILLARDIA, Blanket Flower

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all Summer. Height, 1 to 2 feet.

SINGLE PICTA MIXED. (a) Large daisy-like blossoms of yellow and bronze with central cones of yellow. **Pkt. 10c.**

DOUBLE PICTA LORENZIANA MIXED. (a) Globular heads of tubular florets in shades of sulphur, orange, and claret. **Pkt. 10c.**

GRANDIFLORA PORTOLA HYBRIDS. (p) Semi-double blooms of magnificent size and broad overlapping petals, golden tipped around glowing centers of bronzy red. **Pkt. 15c.**

GEUM, Avena (p)

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the Summer. An elegant flower for bouquets. Height, 18 inches.

LADY STRATHEDEN. A new golden yellow with large full flowers of great beauty. **Pkt. 15c.**

MRS. BRADSHAW. Large, double, brilliant orange-scarlet. In flower throughout the entire Summer. **Pkt. 15c.**

GODETIA, Satinflower (a)

Very handsome annual plants especially suited for semi-shady locations. Sow in Spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form.

TALL DOUBLE. Long graceful spikes are decorated with double blossoms resembling satin pompones one above another. Height 2 feet. **Choice Mixed Colors. Pkt. 10c.**

ORNAMENTAL GOURDS (ac)

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Small Mixed. Pkt. 10c.

Large Mixed. Pkt. 10c.



Ornamental Gourds

GYPSOPHILA, Baby's Breath

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers. Height, 1 to 3 feet.

ELEGANS GRANDIFLORA. (a) London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the Summer. Height, 2 feet. **Pkt. 10c.**

PANICULATA WHITE. (p) Hardy perennial with sprays of tiny rose-shaped blooms. If cut before the flowers are fully opened, sprays can be used in winter bouquets. Height, 3 feet. **Pkt. 10c.**

All of our seeds are tested for purity and high germination.

HELIANTHUS, Sunflower (a)

Well known and popular plants, the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

CHRYSANTHEMUM FLOWERED. Large densely double, golden flowers. Fine, long stout stems for cutting. Height, 6 feet. **Pkt. 10c.**

CUT-AND-COME-AGAIN, MIXED. Single golden yellow flowers with petals twisted like a Cactus Dahalia. (Small flowered sort.) **Pkt. 10c.**

RUSSIAN MAMMOTH. Immense single yellow flowers on tall heavy stalks. Height, 6 feet. **Pkt. 10c.**

HELICHRYSUM, Straw Flower (a)

The finest of all Everlastings. They make unusually fine Winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. A wide range of brilliant and soft colors. Height, 2 to 3 feet.

Finest Mixed. Pkt. 10c.

HELIOTROPE

A well known and highly prized plant because of the delightful fragrance of the flowers. Excellent for pots, or for bedding. Height, 18 inches.

Choice Mixed. Pkt. 10c.

HOLLYHOCK, *Althaea* (p)

The beautiful color effects produced by the planting of these flowers, render them indispensable for the old-fashioned garden or the herbaceous border. Height, 6 to 12 feet.

SINGLE ANNUAL, Finest Mixed. Pkt. 10c.

DOUBLE, CHATER'S Finest Mixed. Pkt. 10c.

HUNNEMANNIA

Mexican Tulip Poppy (a)

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high, with beautiful feathery foliage.

SUNLITE. Award of Merit, All-America Selections. Semi-double, canary yellow. **Pkt. 10c.**

ICELAND POPPY (See Poppy Nudicaule)

IPOMOEAE, Morning Glory (ac)

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, they are invaluable.

HEAVENLY BLUE. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3½ inches across and blooms until frost. **Pkt. 15c.**

QUAMOCLIT (Cypress Vine). A rapid-growing climber with soft deep green feathery foliage. The flowers are slender little trumpets with star-shaped rims. Due to its twining habit it will readily climb a stretched cord or light trellis.

Mixed. Pkt. 10c.

ROSE MARIE. An early flowering variety. Rose-pink, double and semi-double flowers. **Pkt. 10c.**

MIXED IMPERIAL JAPANESE. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description. **Pkt. 10c.**

LANTANA (a)

A Brazilian shrub that makes a splendid display the first season from seed. Above the large somber green leaves Verbena-like clusters of fragrant flowers rise in prolonged succession. In a single cluster all the shades of crimson, rose, yellow, and orange appear.

MIXED HYBRIDS. Pkt. 10c.



Gypsophila Elegans Improved

LARKSPUR (a)

Annual Delphiniums are adorned with finely cut, feathery foliage which sets off to advantage the handsome long floral spikes of double blossoms. The colors range from pure white through soft shades of lavender and pink to deep blue.

GIANT IMPERIAL. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet.

WHITE KING. Special Mention, All-America Selections, 1937. The flowers are a pure, glistening white, with extremely large double florets, sometimes measuring 2 inches across, evenly spaced on the stem. Early, the finest Larkspur. **Pkt. 15c.**

CORAL KING. Coral King was a running mate to White King for All-America recognition. It has the same form and size and is different only in color—a beautiful coral pink. **Pkt. 15c.**

BLUE SPIRE. Very deep violet blue. Outstanding blue. **Pkt. 15c.**

LOS ANGELES IMPROVED. Brilliant pink on salmon. **Pkt. 15c.**

Finest Mixed. Pkt. 15c.

TALL DOUBLE STOCK FLOWERED. A strikingly tall variety with lateral branches which produce many fine spikes.

ROSAMOND. Gold Medal Winner, All-America Selections, 1934. Exceptionally uniform in habit, bearing bright rose flowers that hold their color. Is two weeks earlier than other varieties. **Pkt. 10c.**

Finest Mixed. Pkt. 10c.



Larkspur, White King

LINUM, Crimson Flax (a)

GRANDIFLORUM RUBRUM. An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Through the flowers last only one day, new ones appear every morning. **Pkt. 10c.**

LOBELIA (a)

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height, about 6 inches.

COMPACTA, CRYSTAL PALACE. Erect and very free blooming. Best dark blue for edging.. Fine for pots. **Pkt. 10c.**

SAPPHIRE. A superb variety of pendulous habit. It has large deep blue flowers with a white eye, suitable for window boxes and hanging baskets. **Pkt. 15c.**

LUPIN, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border.

HARTWEGII, ANNUAL, MIXED. 2 feet high. All shades and colors. Gorgeous. **Pkt. 10c.**

POLYPHYLLUS PERENNIAL, MIXED. 3 feet high. Long spikes of blossoms in Spring and early Summer. Hardy. **Pkt. 10c.**

MARIGOLD (a)

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and edging plants.

CHRYSANTHEMUM MARIGOLDS. (See page 16.)

MARIGOLD GIGANTEA, Orange Sunset. (See page 16.)

NEW COLLARETTE MARIGOLD, Crown of Gold. (See page 16.)

MARIGOLD GIGANTEA SUNSET GIANTS. (See inside front cover.)

AFRICAN TALL DOUBLE (*Tagetes erecta*). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the disagreeable odor when bruised. Height, 2½ feet.

ORANGE PRINCE. Rich, deep orange. Pkt. 10c.

Mixed. Pkt. 10c.

GUINEA GOLD (*African*). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely. Height, 2 feet. Pkt. 10c.

YELLOW SUPREME. Gold Medal, All-America Selections, 1935. It is a companion flower to Guinea Gold. The color is a delightful light lemon yellow, flowers medium sized, loosely ruffled. Free-blooming, 2 feet tall. Pkt. 10c.

FRENCH (*Tagetes patula*). This Marigold is more floriferous than the Africa, but bears smaller flowers. As a rule, instead of being quilled the petals are flat and overlapping. They are often two-toned, which adds to their beauty.

TALL DOUBLE. These are useful for border decorations and produce handsome cut flowers. Height, 2 feet.

Mixed Shades. Pkt. 10c.

DWARF DOUBLE. These small symmetrically rounded plants have few equals for bedding and edging. They bloom from early Summer until frost.

Mixed Shades. Pkt. 10c.

DWARF FRENCH, DOUBLE, MONARCH STRAIN. Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany.

Finest Mixed. Pkt. 10c.

FRENCH DWARF SINGLE. This variety is quite similar in habit and usefulness to the dwarf double sorts except that each blossom has a single row of petals of rich golden yellow, beautifully blotched at the center with a clean edged spot of velvety garnet.

MARIGOLD, DWARF ROYAL SCOT, ALDOUBLE. (See inside back cover.)

Mixed Shades. Pkt. 10c.



MIGNONETTE, *Reseda Odorata* (a)

This old-fashioned flower still enjoys the greatest popularity. Grown for its sweet perfume, which is most pronounced when grown in a light sandy soil. Height, 6 to 10 inches.

FINEST MIXED. Includes only large flowering varieties of sweet scented Mignonette. Pkt. 10c.

MORNING GLORY (See Ipomoea)

MOSS ROSE (See Portulaca)

NEMESIA (ra)

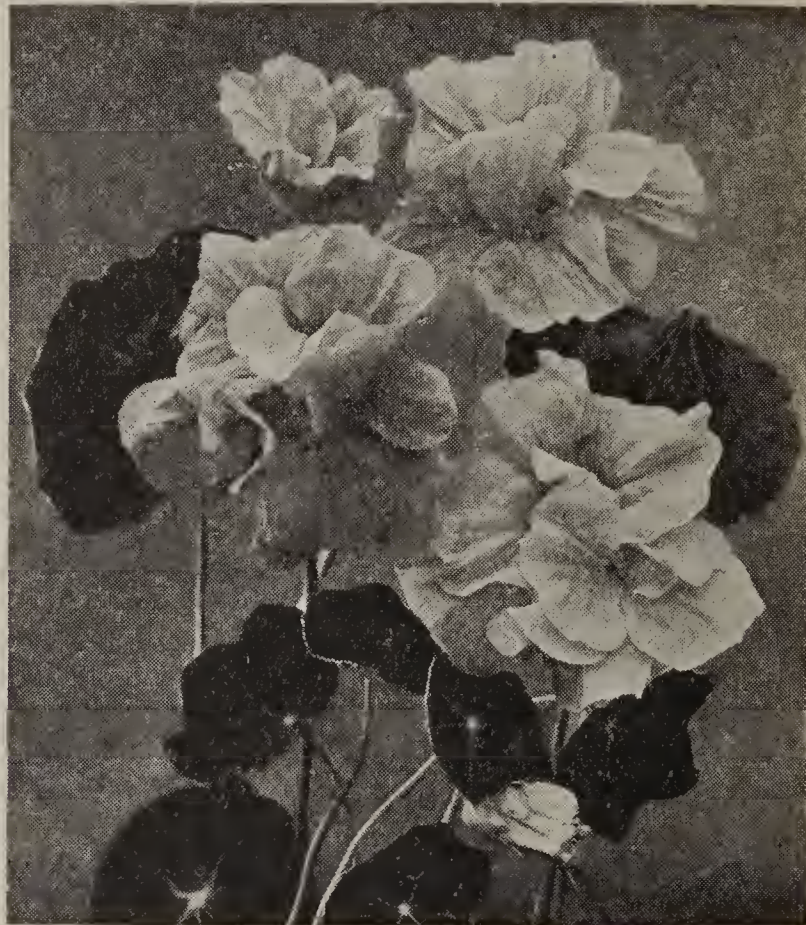
This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like the *Schizanthus*. When the flowers fade they may be trimmed back and will bloom again. Their colors run from the brightest reds, yellows, oranges, to the brightest blues and purples. Height, 6 to 12 inches.

COMPACTA TRIUMPH, FINEST MIXED COLORS. Pkt. 15c.

NICOTIANA, Flowering Tobacco (a)

Stately plants producing large, trumpet shaped blooms until frost. Fine for beds and borders. Height, 2 to 5 feet.

AFFINIS HYBRIDS, MIXED COLORS. Pkt. 10c.



NASTURTIUM (a)

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

GOLDEN GLEAM. Plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are golden yellow and average 2 to 3 inches across. Pkt. 10c.

SCARLET GLEAM. A sister of Golden Gleam. Its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet. Sweet scented. Fine for cutting. Pkt. 10c.

GLORIOUS GLEAM HYBRIDS. Award of Merit, All-America Selections 1935. Delightfully sweet scented; double. Color range includes brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties.

Finest Mixed. Pkt. 10c.

DWARF DOUBLE GOLDEN GLOBE. Award of Merit, All-America Selections 1936. Vivid golden yellow, identical in color to Golden Gleam. Plants uniformly dwarf and compact, and bear great quantities of semi-double sweet scented flowers. Excellent for edging and window boxes. Pkt. 10c.

TALL OR CLIMBING NASTURTIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal their great quantities of bloom from early Summer until frost. The seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet.

Finest Mixed. Pkt. 10c.

DWARF OR BEDDING VARIETIES. Of dwarf, compact growth. Excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Finest Mixed. Pkt. 10c.

PAINTED DAISY (See Pyrethrum)

PETUNIA (a)

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the Spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

PETUNIA HYBRIDA (Single Bedding). 1 1/2 feet. This is a spreading type of Petunia and is used extensively for mass planting and large beds. Very satisfactory for small gardens.

PETUNIA HYBRIDA, HOLLYWOOD STAR. (See page 16.)

FLAMING VELVET. Gold Medal, All-America Selections 1936. Petunia Flaming Velvet has caused a sensation because of uniform excellence of its velvety, rich, blood-red flower. Plants are semi-compact in habit, about 15 inches in height, absolutely uniform, and the flowers are large and borne in great profusion. **Pkt. 15c.**

ROSE KING IMPROVED. Special Mention, All-America Selections 1936. Its flowers are a clear rich rose with a delicate light golden throat. Plants grow 18 inches high, are uniform and bushy, literally covered with blooms. This is an excellent cut flower variety. **Pkt. 15c.**

PETUNIA HYBRIDA NANA COMPACTA. 1 foot. A fine type of Petunia for small beds and borders; often used for pot culture. This Petunia holds its habit very well throughout the blooming season.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Dwarf. **Pkt. 15c.**

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing. **Pkt. 10c.**

Snowball. Pure white; very compact. **Pkt. 10c.**

Mixed. All colors. A very decorative show may be had by sowing these broadcast. **Pkt. 10c.**

Single Balcony Petunias

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

DEEP BLUE. Certificate of Honor, Royal Horticultural Society 1935. **Pkt. 15c.**

ROSE. Rich fiery rose. **Pkt. 15c.**

WHITE. Award of Merit, Royal Horticultural Society 1935. **Pkt. 15c.**

Mixed Colors. **Pkt. 15c.**

Large Flowered Varieties

BURGUNDY. Special Mention, All-America Selections 1937. A large flowered, plain edged variety, colored a beautiful velvety burgundy-red in lovely contrast to its inconspicuous white throat. **Pkt. 15c.**

ELK'S PRIDE. Very large deep purple. **Pkt. 15c.**

Grandiflora Single Fringed

DAINTY LADY. Award of Merit, All-America Selections 1936. The flowers are medium sized, daintily fringed, delicate light yellow deepening to a golden yellow at the throat. Plants are compact and upright in habit, semi-dwarf and free flowering. **Pkt. 20c.**

PRIDE OF PORTLAND. Bright rose pink. **Pkt. 20c.**

Mixed Colors. **Pkt. 10c.**

Ruffled Giants of California

Ruffled monsters, a half dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark shades, richly marked and veined.

Mixed Colors. **Pkt. 25c.**

Dwarf Giants of California

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

RAMONA STRAIN. Mixed colors. **Pkt. 25c.**

Double Varieties

We offer the finest strain of double Petunias and suggest that seed be started indoors in boxes or pans. The small, crumpled seedlings will give the finest flowers.

Choice of Mixed Colors. **Pkt. 35c.**

TRIUMPHANT. All Double Mixed. Award of Merit, All-America Selections 1934. All double giant fringed. Mixed colors. **Pkt. 50c.**



Petunia Miniature (Dwarf Compact Varieties)

ROSE GEM. Award of Merit, All-America Selections 1936. Rose Gem is the best new miniature Petunia. The flowers are a deep rich rose on neat compact plants, 6 inches high. Each flower is 2 inches in diameter. **Pkt. 15c.**

MARTHA WASHINGTON. A lovely novelty of dwarf, compact growth, 9 inches high, smothered with brilliant blooms about 3 inches in diameter. The frilled portion of the flowers is a flesh pink, the center is veined wine red. **Pkt. 25c.**

PANSY, Heart's Ease (b)

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring. Low growing.

PANSY, SWISS GIANT. (See inside back cover.)

STEELE'S MASTODON. A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects.

Finest Mixed. **Pkt. 25c.**

POPULAR BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. **Pkt. 10c.**

PAPAVER (See Poppy)

PENTSTEMON, Beard Tongue (p)

Beautiful perennial plants for the hardy border.

NEW HYBRIDS, MIXED. Produce large spikes. 3 feet. **Pkt. 10c.**

PHLOX DRUMMONDI (a)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in Spring.

PHLOX GIGANTEA, SALMON GLORY. (See page 16.)

GRANDIFLORA. Comes in a grand mixture of fine colors. **Pkt. 10c.**

GIGANTEA ART SHADES. A new strain of annual Phlox with single florets as large as an inch and one-half in diameter. The colors are soft pastel shades, such as apple blossom pink, salmon, light blue, pale violet, etc. **Pkt. 15c.**

PHYSALIS FRANCHETI

Chinese Lantern Plant (b)

This hardy biennial plant grows to a height of about 2 feet and is a profuse bloomer, producing many large, striking flowers of a beautiful, brilliant orange red color resembling Chinese lanterns in shape.

FRANCHETI. **Pkt. 10c.**

PIN CUSHION FLOWER (See Scabiosa)

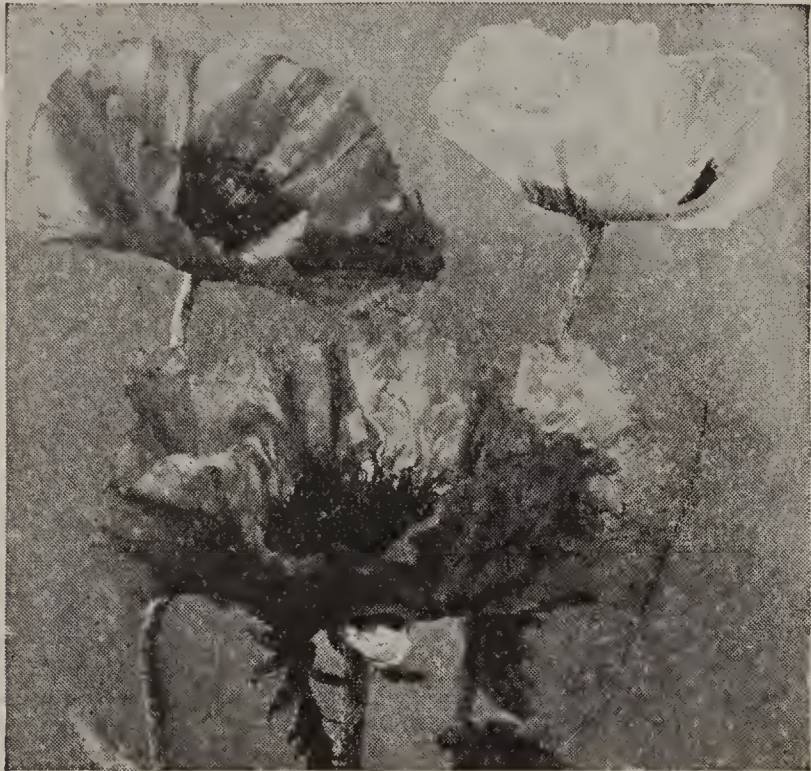
PINKS (See Dianthus)

PORTULACA, Moss Rose (ra)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Height, 6 to 10 inches.

DOUBLE MIXED. Pkt. 10c.

SINGLE MIXED. Pkt. 10.



Oriental Poppy

POPPY, Papaver

Annual Poppies should be sown as early as possible in the Spring where they are to remain as they do not transplant readily. Mix the seed with builders' sand, using about 25 times as much sand as seed, then broadcast seed on surface of the ground and firm well. Plants should be thinned out to 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

SHIRLEY. (a) Known as the Flanders Field Poppy of the World War. The plants with their deeply cut foliage, slender hairy stems, and silky petaled blossoms, often fluted, present an airy picture as they nod in the breeze. Height, 18 inches.

SINGLE AMERICAN LEGION. Dazzling scarlet with white cross at center. Best substitute for the wild Flanders Poppy. Pkt. 10c.

SINGLE MIXED. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. Pkt. 10c.

DOUBLE PINK SHADES. This charming sort with its double and semi-double flowers in several shades of pink is of great merit. Pkt. 10c.

TALL SOMNIFERUM. (a) These robust plants are of imposing stature, carrying an abundance of thick wide leaves, and bear large flowers on stout stems. Height, 3 feet.

DOUBLE CARNATION FLOWERED MIXED. Perfectly double, globular flowers with fringed petals in many brilliant colors. Pkt. 10c.

NUDICAULE (p) (Iceland Poppy). A hardy Poppy slightly resembling the Shirley. Somewhat different in habit and contains many shades of yellow and orange. Height, 18 inches.

SANFORD'S MIXED GIANTS. The finest strain of mixed colors in Iceland Poppies. The colors are well balanced. Large flowers grow on strong stems from 2 to 3 feet high. Pkt. 15c.

ORIENTALE (p) The royal members of the Poppy family—majestic in all their characteristics. Magnificent foliage, sturdy stems, huge cup-shaped flowers with crinkled petals; large decorative pods. Height, 2½ feet.

MIXED HYBRIDS. A splendid collection mostly red, with some white, rose, lavender, orange, and crimson. Pkt. 10c.

POT MARIGOLD (See Calendula)

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

PYRETHRUM, Painted Daisy (p)

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden. Height, 1 to 3 feet.

ROSEUM. The plants are erect growing, consisting of upright slender stalks adorned with fern-like leaves and carrying fine terminal blossoms.

SINGLE MIXED. Radiating petals in many tones of rose and red about a golden center. Pkt. 10c.

RED HOT POKER (See Tritoma)

RICINUS, Castor Bean (a)

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Height, 10 to 12 ft.

MIXED VARIETIES. Pkt. 10c.

RUDBECKIA, Cone Flower (a)

KELVEDON STAR. Deep golden yellow with deep mahogany zones, and dark brownish central disc. Long stems. Pkt. 15c.

GOLDEN SUNSET. Large golden yellow flowers, mahogany zone; very showy. Excellent for cutting. Height, 18 to 24 inches. Pkt. 15c.

SAGE (See Salvia)

SALPIGLOSSIS, Painted Tongue (a)

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors. Height, 1 to 2½ feet.

SUPERB MIXED. Pkt. 10c.

SALVIA, Flowering Sage

Brilliant flower spikes from late Summer until frost. The "Blues" are as attractive as the "Reds" and valuable as cut flowers.

BONFIRE or CLARA BEDMAN. (a) Scarlet red. Very erect and globular. Height, 2 feet. Pkt. 10c.

SPLENDENS. (a) (Scarlet Sage) Scarlet red. Loosely arranged flowers. Height, 2½ to 3 feet. Pkt. 10c.

FARINACEA. (p) Pale blue flowers on long stems. Height, 3 feet. Pkt. 15c

SCABIOSA, Pinchusion Flower (a)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. Seeds should be sown any time in the Spring after danger of frost is past.

SCABIOSA IMPERIAL GIANTS, Blue Moon. (See page 16.)

NEW SCABIOSA GRANDIFLORA ROSETTE. (See inside back cover.)

TALL DOUBLE MIXED. Pkt. 10c.

SCHIZANTHUS, Butterfly Flower (a)

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late Winter and Spring; for this purpose sow in Autumn.

BUTTERFLY MIXTURE. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. Pkt. 10c.

SHASTA DAISY

Chrysanthemum Leucanthemum (p)

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

ALASKA. Pure white, extra large flowers. Excellent for cutting. Height, 2 feet. Pkt. 15c.

SNAPDRAGON (See Antirrhinum)

STATICE, Sea Lavender (p)

Splendid plants, either for the border or rockery, producing all Summer panicles of small flowers, which can be dried and used for Winter bouquets. Height, 1 to 1½ feet.

LATIFOLIA. Stout growing, with large, broad, dark-green radical leaves; slender branched panicles of small, filmy, blue flowers. Blooms in June. Pkt. 10c.

STRAWFLOWER (See Helichrysum)

SUNFLOWER (See Helianthus)

SWEET SULTAN (See Centaurea)

SWEET PEAS



GIANT SUMMER FLOWERING SPENCERS

Pink and Rose Shades

PINKIE. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blossoming period. Silver Medal.

JACK HOBBS. Cream-pink, flushed scarlet. One of the largest Sweet Peas ever introduced. Gold Medal.

CISSIE. A soft cream-pink. Extra large flowers which bloom in abundance and have long stems.

LULLABY. Charming shade of light rose pink. A strong grower. Award of Merit, National Sweet Pea Society 1934.

MISS CALIFORNIA. The color is a beautiful shade of rich pink, deeply flushed and shaded with salmon. Unsurpassed for either exhibition or general cutting purposes.

YOUTH. This Sweet Pea can be described as a white ground Picotee, but with slightly deeper color on the edges than its predecessor in this group. Strongly perfumed.

Lavender and Blue Shades

AMBITION. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit.

POWERSCOURT. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

THE ADMIRAL. Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

CAPRI. Clear silver blue; excellent. The best blue Sweet Pea; long stem; vigorous.

White and Cream Shades

SEXTET QUEEN. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. Black seeded. Award of Merit.

AVALANCHE. Immense glistening white flowers. The blooms are very frilled. White seeded.

WHAT JOY. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

Orange and Salmon Shades

GEORGE SHAWYER. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit.

SMILES. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted. Award of Merit.

Cerise Shades

MRS. A. SEARLES. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful Sweet Pea.

ARTISTE. Clear geranium pink; a rare color. Flowers are large and quite frilled. An outstanding Sweet Pea.

Red Shades

RUBICUND. Rich crimson scarlet. This is an exceptionally good Sweet Pea, lacking nothing in size, shape, stems and vigor.

RED BOY. The very best crimson. It is a first-class Sweet Pea for all purposes, especially for general garden culture. Award of Merit.

WELCOME. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

Maroon and Purple Shades

WARRIOR. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

OLYMPIA. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

Special Mixture Spencer Sweet Peas

This is our special mixture and is a blend of all the most beautiful colors in Spencer Sweet Peas.

Pkt. 10c; oz. 25c; 1/4 lb. 60c.

All Colors: Pkt. 10c; oz. 30c.

Culture of Sweet Peas

Sow as early in the Spring as the ground can be prepared in rich, deeply worked soil with good drainage. Cover the seeds about 2 inches deep with fine soil and supply support to the growing vines before they grow too large. Keep well watered during dry periods. One ounce of seed will plant a row about 15 feet long.

STOCKS, Gilliflower (a)

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early Spring will bloom the same year. They are also valuable for Winter forcing.

BEAUTY OF NICE. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. Excellent for bedding and cutting, Height, 16 inches.

Finest Mixed Colors. Pkt. 15c.

DWARF TEN WEEKS. This early class forms dwarf compact plants that are excellent for edgings or low beds. They often do well in sections where plants of the later types cannot be grown. Height, 12 inches.

Finest Mixed Colors. Pkt. 10c.

GIANT IMPERIAL. Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is less spreading and taller. Height, 2 feet.

Yellow (Buttercup). Pkt. 15c.

Blood Red. Pkt. 15c.

Rose. Pkt. 15c.

Lavender. Pkt. 15c.

White. Pkt. 15c.

Finest Mixed Colors. Pkt. 15c.



Zinnia, Dahlia Flowered



Zinnia, Fantasy

SWEET WILLIAM, *Dianthus Barbatus* (b)

A well-known, attractive, free-flowering hardy biennial, producing a splendid effect in beds and borders with their rich and varied flowers. Height, 10 to 20 inches.

NEWPORT PINK. Watermelon pink or salmony rose color. Very beautiful. Pkt. 15c.

SCARLET BEAUTY. Rich, deep scarlet. A rare color in hardy plants and very effective. Pkt. 15c.

Single Varieties, Mixed. Pkt. 10c.

Double Varieties, Mixed. Pkt. 15c.

THUNBERGIA, Black-Eyed Susan (ac)

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. Height, 4 feet.

ALATA. Finest mixed. Pkt. 10c.

TRITOMA, Red Hot Poker (p)

A perennial, not strictly hardy, but will live through the Winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over Winter in sand in a cellar. Height, 4 to 6 feet.

MIXED HYBRIDS. Pkt. 15c.

VIRGINIAN STOCKS

French Forget-me-nots (ra)

Small red, rose and white flowers about $\frac{3}{4}$ inch across. Fine for edgings. For continuous display until Fall, several successive sowings should be made about two weeks apart. Height, 6 to 8 inches.

MIXED COLORS. Pkt. 10c.

VERBENA (a)

One of the most popular garden annuals for beds and massing and for a gorgeous display during the Summer months cannot be exceeded, commencing to flower in July and continuing until frost. Height, 6 to 8 inches.

VERBENA HYBRIDA GRANDIFLORA CRIMSON GLOW. Flowers are pure, self-colored, glowing crimson, wholly without even a small light eye. Individual florets of good size, although not as large as some other colors, such as pink and lavender. Pkt. 15c.

FLORADALE BEAUTY. Special Mention, All-America Selections 1937. A giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets of perfect form, fully rounded, and average $1\frac{1}{4}$ inches across; heads or trusses 4 to 5 inches across. Pkt. 25c.

HYBRID GRANDIFLORA GIANT, MIXED SHADES. Pkt. 15c.

WALLFLOWER, *Cheiranthus Cheiri*

These half-hardy perennial and annual Wallflowers are grown for early Spring bedding and for their delightful fragrance. Perennial sorts should be sown in Autumn and carried over in coldframe. Annual sorts may be sown outdoors in March and will flower the first year. Height, 2 to 3 feet.

ALLIONI. (ra) (Siberian Wallflower). This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Flowers the first season from seed and when established will bloom all Summer. Height, 1 foot. Pkt. 10c.

ANNUAL VARIETIES, Mixed Colors. Pkt. 10c.

PERENNIAL VARIETIES, Mixed Colors. Pkt. 10c.

ZINNIA (a)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

DOUBLE DAHLIA FLOWERED. $2\frac{1}{2}$ feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Crimson Monarch. Deep crimson, large flowers. Pkt. 15c.

Dream. Deep rosy lavender. Pkt. 15c.

Exquisite. Light rose, deep rose center. Pkt. 15c.

Golden Dawn. Golden yellow. Pkt. 15c.

Illumination. Deep self rose. Pkt. 15c.

Oriole. Orange and gold bicolor. Pkt. 15c.

Polar Bear. White. Pkt. 15c.

Scarlet Flame. Bright scarlet. Pkt. 15c.

Mixed. Pkt. 15c.

CALIFORNIA GIANTS. This variety is taller than the Dahlia flowered type, 3 to 4 feet high, with long stems, which make the flowers fine for bouquets. The blooms are large and flat and very graceful for their size.

Finest Mixed Shades. Pkt. 10c.

SUPER CROWN O' GOLD. A vastly improved strain of the Crown O' Gold type, with large well formed flowers, in soft pastel shades, each petal overlaid at the base with deep golden yellow.

Pastel Tints (New). Pkt. 25c.

FANTASY. A new Zinnia type. Shaggy, medium-sized flowers on plants $2\frac{1}{2}$ to 3 feet high. Free blooming. Excellent for cut flowers.

ZINNIA FANTASY, White Light. (See page 16.)

Fantasy Mixed Shades. Pkt. 10c.

SCABIOUS FLOWERED. Among the oldest and most attractive Zinnia forms, bearing a remarkable resemblance to the annual Scabiosa. The plants are extremely free flowering, 2 to $2\frac{1}{2}$ feet high, giving a wealth of bloom throughout the Summer. The color range is particularly rich in shades of crimson, scarlet, orange, yellow and pink.

Mixed Colors. Pkt. 15c.

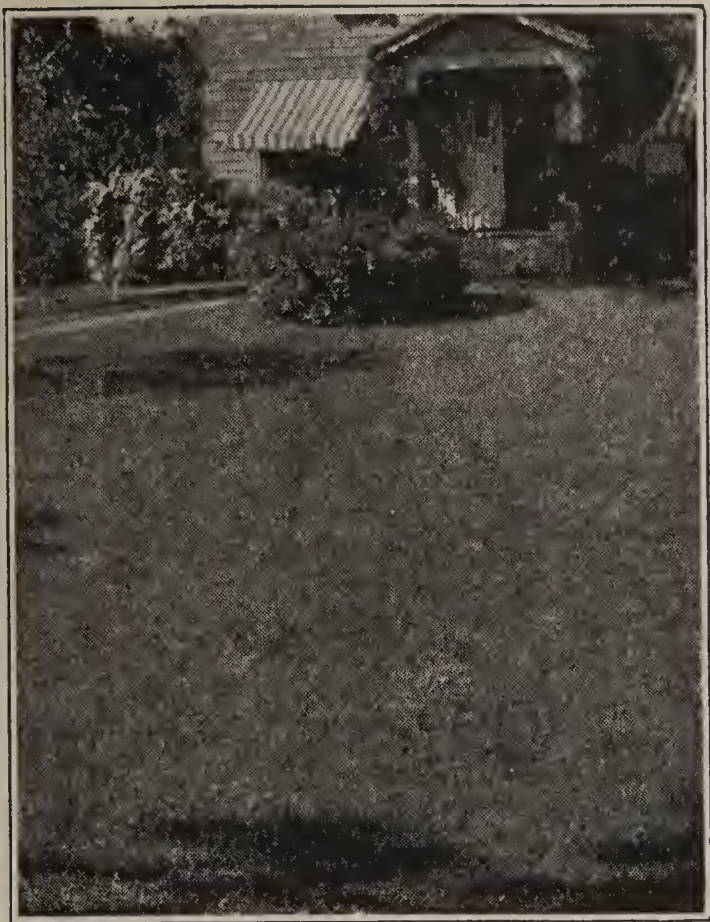
DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pom-pom flowers about $1\frac{1}{2}$ inches across. The colors are bright.

ZINNIA, Lilliput Pastel Mixture. (See inside front cover.)

Mixed. Pkt. 10c.

TOM THUMB. These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, with a hundred intermediate shades.

All Colors Mixed. Pkt. 10c.



BEAUTIFY *your* HOME

Nothing adds greater beauty to a home than a velvety-green lawn, colorful flowers, luxuriant shrubs, and healthy, full-foliaged trees. To produce and maintain beautiful home surroundings, feed everything you grow with a complete, balanced plant food.

We recommend VIGORO, the clean, odorless, economical plant food, made by Swift. VIGORO contains all the nourishment needed for maximum growth and beauty.

Give your lawn, flowers, shrubs, trees and vegetables a "SQUARE MEAL" by feeding them VIGORO this year.

100-lb. bag	\$4.00
50-lb. bag	2.50
25-lb. bag	1.50
10-lb. pkg.85
5-lb. pkg.45
1-lb. pkg.10

for Velvety-green Lawns
feed regularly with

VIGORO
Complete plant food



Feed Everything You Grow
with this complete,
balanced diet

VIGORO
Complete plant food



FERTILIZERS

All sold at current market prices. Ask for quotations.

AMMONIUM SULPHATE is a valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. It will stimulate growth almost immediately. It is also used for top-dressing lawn, producing a thick velvet growth and discouraging the weeds. It is a highly concentrated nitrogenous product, containing 25¼ per cent ammonia, 20¾ per cent nitrogen. One pound to 200 square feet is sufficient application for lawns.

BONE MEAL. Extra fine; is a fertilizer recommended for lawns, rose bushes, grape vines, especially where a moderately slow fertilizer is needed for the deep-rooted shrubbery and where a perfectly safe fertilizer is required. It contains a phosphoric acid and some nitrogen.

GRANULATED PEAT MOSS. For greenhouse, garden and home. Our Peat Moss is of the finest quality you can buy anywhere at any price. Its use contributes to the humus content of the soil, lightening heavy clay and binding sandy soils. It insulates soil against freezing and thawing in winter and conserves moisture in summer. Clean, odorless and economical to use.

SHEEP GUANO. An efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc., It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with sheep guano.

NITRATE OF SODA. A fertilizer for all crops; quick in action and hastens the maturity of crops fully two weeks. It

should not be applied until the plants are above the ground. Do not allow solution to touch foliage. Dissolve 1 oz. to 2 gals. or 1 lb. to 50 gallons.

SUPERPHOSPHATE (Acid or Rock Phosphate) is a water soluble combination of phosphoric acid and lime which is formed by the action of sulphuric acid on raw phosphate rock, one of the elements required in a balanced fertilizer. It aids in plant nutrition and assists the plant to assimilate other ingredients. Superphosphate is an efficient fertilizer element for lettuce, truck crops, cereal crops, and alfalfa.

TANKAGE. Containing by-products from slaughter houses and contains blood, meat, bone that has been cooked, dried and ground. The analysis varies much, running from 5 to 9 ammonia and 5 to 15 phosphoric acid. It contains no potash and for best results potash should be mixed with tankage. A quick acting organic.

HYDRATED LIME. The constant watering of lawns tends to sour the soil and eventually the lawn becomes foul with sorrel, Creeping Charlie, and other weeds which thrive in an acid soil. This condition may be improved by applying Hydrated Lime.

MURIATE OF POTASH. This fertilizer is especially valuable for fruit trees and berries.

SULPHATE OF POTASH. A desirable form of Potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc., also cabbage, etc.

BABY CHICKS



We offer baby chicks from one of the largest and most successful hatcheries in the Boise Valley. Chicks from this hatchery are from flocks that have been rigidly culled and blood-tested under state supervision. This hatchery is a member of the Idaho Poultry Improvement Association.

LARSON STRAIN WHITE LEGHORN CHICKS, from two-year-old hens that have been mated to exceptionally high egg-production cockerels. \$9.50 per 100.

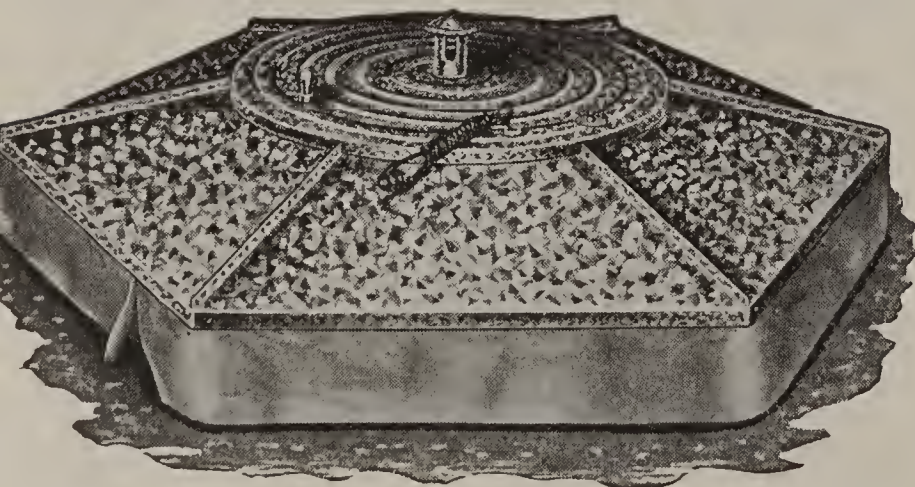
AUSTRA-WHITES. A cross between White Leghorn hens and Australorp cockerels. This cross is proving very popular due to the size of the Australorp and their proven laying ability and the popular White Leghorn. Austra-White pullets are white with black spots and blue shanks. The males will be solid white with white shanks. They make large quick maturing fryers and will weigh when mature about the same as Barred Rocks or Rhode Island Reds. \$9.50 per 100. Try an order of these—you will like them.

JERSEY WHITE GIANTS. If you are familiar with the Black Giant you can appreciate the size and quality of the White Giant. \$10.50 per 100.

In addition to the above we can furnish you with the same high quality in **BARRED PLYMOUTH ROCKS, WHITE ROCKS, RHODE ISLAND REDS, BUFF ORPINGTONS** and **AUSTRALORPS.** All at \$9.50 per 100.

We guarantee 100 per cent live arrival of strong healthy chicks. You must be pleased.

ADVANCE ELECTRIC BROODERS

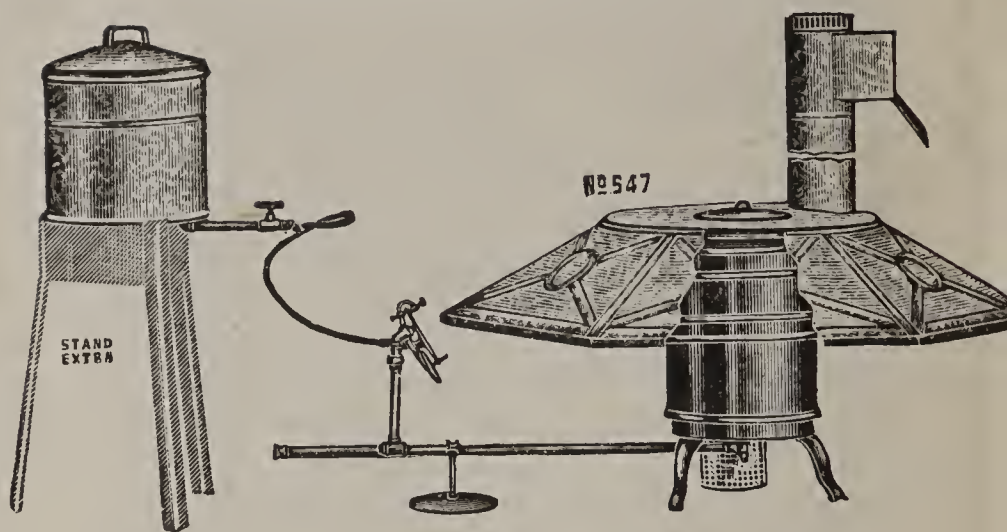


These brooders have patented enclosed nichrome heating elements guaranteed for 2 years from date of purchase. Automatic heat regulator cuts off or turns on current as necessary to maintain correct brooding temperature. Adjustable ventilator tube keeps air fresh and clean under canopy. Ideal for late brooding of chicks.

No. 520, 28 in. canopy, 100 chick capacity. \$ 8.50
No. 521, 48 in. canopy, 150 chick capacity. 10.40
No. 522, 54 in. canopy, 330 chick capacity. 11.50

OAKES ACORN OIL BROODER

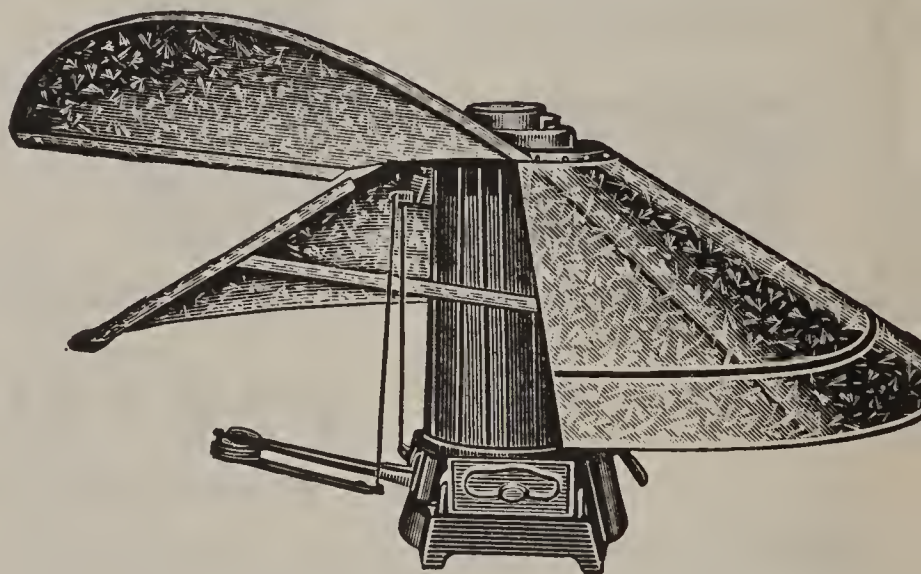
Uses Less Fuel—Makes Chick Raising Easy.



Special deflector top catches all the heat—forces it to canopy wings and down to floor around chicks where needed. No heat is wasted by rising to ceiling of brooder house. Through the 2-in. clearance between top of drum and deflector, air is continually circulating and heat is evenly distributed throughout the hover area. It broods more chicks with less fuel. Solves the "bareback" chick problem. ACORN BROODERS prevent heat waste.

No. 547, 42 in. canopy, 500 chick capacity. \$20.25
No. 557, 52 in. canopy, 750 chick capacity. 21.60
No. 361, Fuel Tank Stand, extra, one in bundle. . . . 1.00

OAKES "RED TOP" COAL BROODERS



RED TOP stoves produce an abundance of controlled heat from either hard or soft coal. Specially designed heavy gray iron body; extra large fuel pot. Revolving canopy.

No. RT48, 48 in. canopy, 500 chick capacity. \$15.75
No. X54, 54 in. canopy, 750 chick capacity. 19.95

NO-COLD OIL BROODER

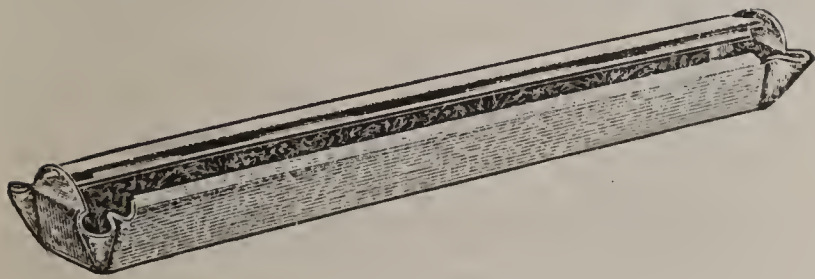
NO-COLD has no equal when it comes to providing abundant controlled heat at low cost. Designed to save fuel and yet produce plenty of heat where the heat is needed. Regarded by many experienced poultrymen as the finest drum type oil brooder on the market.

No. 348, 42 in. canopy. \$18.75
No. 360, 52 in. canopy. 20.10

NEW SPERRY WAY FOR TABLE TURKEYS

Two mashes during the life of the bird. The **Builder** for the first 14 weeks of rapid growth—the **Finisher** from the fifteenth week to marketing for the largest possible number of prime birds.

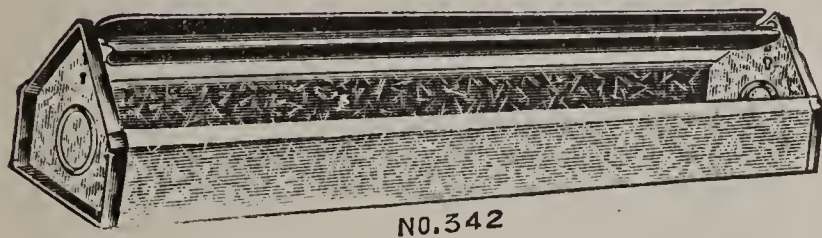
NEW "WINNER" CHICK TROUGHS



Trough of heavy gauge galvanized steel. Die-stamped. Holds either food or water. Flange along edge is folded and smooth. Prevents food waste. Metal "Z" reel revolves. Trough is 1 1/2 in. deep, 2 1/2 in. wide at bottom and 3 1/2 in. wide at flange upturn. Three popular lengths.

No. 104A, 10 in. long.....	15c each
No. 105A, 18 in. long.....	20c each
No. 106A, 24 in. long.....	25c each

SQUARE BOTTOM TROUGHS

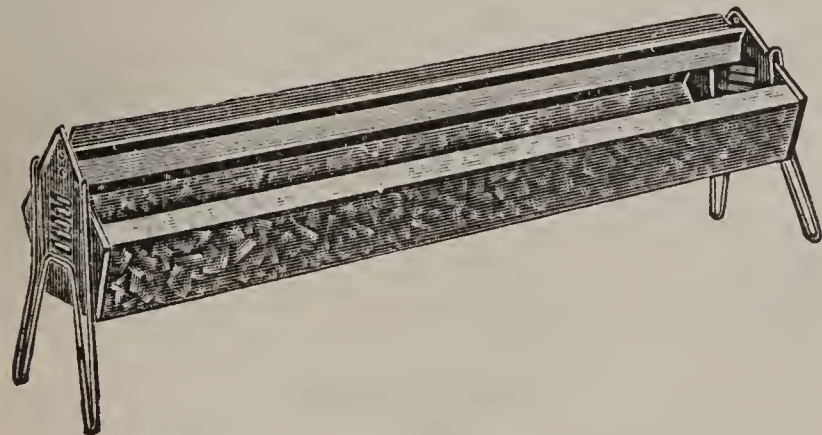


NO. 342

Revolving metal reel prevents chicks roosting or getting into trough. Reel adjustable to 3 positions. Will feed day-old chicks up to 8 weeks old. An all-purpose feeder at a low price.

No. 343, 3 ft. long.....	65c each
No. 344, 4 ft. long.....	75c each

BROILER FEEDERS



Trough made of 26-in. galvanized steel. Adjustable stand made of heavy spring wire which adjusts up and down and is held in any one place by friction against corrugations in end of trough. Width of trough at feeding edge, 6 3/4 in. A wonderful feeder for growing chicks or turkey poults.

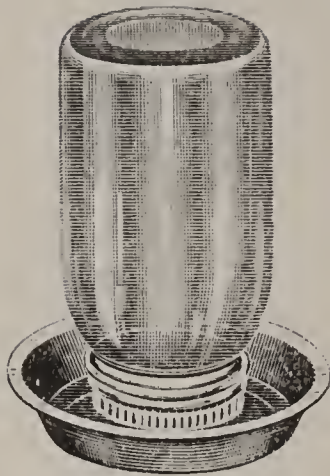
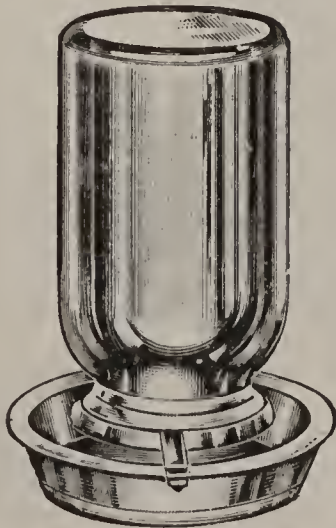
No. 3942R, 42 in. long.....	\$1.20 each
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BABY CHICK WATERERS

**Pan Type for Mason Jars—
Glass and Enamel.**

Heavy saucer, metal clip screws on neck of any size Mason jar. Clip snaps over edge of saucer jar and clips are quickly detached from pan for easy cleaning or filling. Jars not furnished.

15c each; \$1.35 per dozen.



SCREW CAP TYPE, ENAMELED FINISH

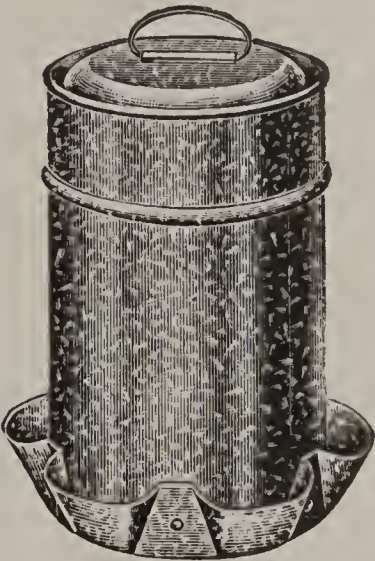
Heavy, die-stamped pan with screw cap to fit any Mason jar. Cap welded. Attractively finished in blue air-dry enamel.

10c each; \$1.00 per dozen.

SNAP-ON CHICK WATERERS

Inexpensive but good. Can held to die stamped bottom pan by friction. Invert to fill. Handle for carrying. Cups in drinking pan right size for chicks. They can't get in and drown. Two-gallon size illustrated.

No. 100B, 1 gal. capacity	60c each
No. 100C, 2 gal. capacity	80c each



E-Z FILL WATER FOUNTS

Double wall fount. Rust proof cone top. Outer can may be used as pail for filling. Inner tank has cross handle for carrying. Water level in pan controlled by vacuum. Winter and summer types.

Summer Type—No Heater

No. 31, 3 gal. capacity	\$2.20 each
No. 32, 5 gal. capacity	2.95 each

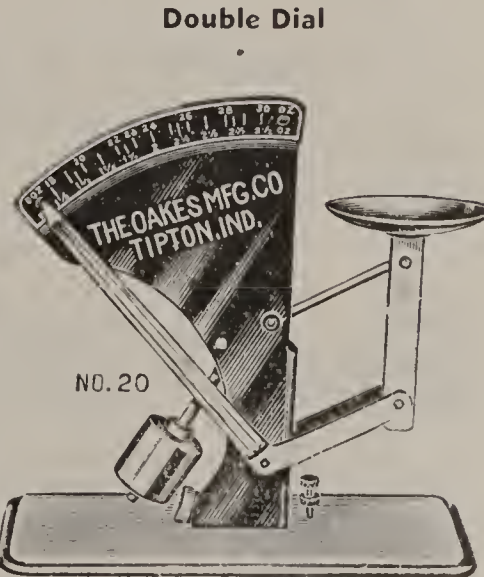


EGG SCALES

Accurate, dependable, fast. Weight per dozen and individual egg registered. Bearing pins are brass. Pointer counter balance, egg cup, chromium plated. Attractively finished in red duco. Adjustable stop can be set at any point to grade eggs. Dial black, figures in white. Easy to read. Packed one in carton.

No. 20S....	\$1.50 each
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We carry in stock, four other type scales at lower prices.



IMPORTANT ORDERING SUGGESTIONS

**FREE TRANSPORTATION ON ALL FLOWER AND
VEGETABLE SEEDS IN PKTS., OUNCES OR 1/4 LBS.**

All seeds quoted in this catalog are now shipped by parcel post, all transportation and packing charges paid by us. C.O.O. and money order return fees are not considered as transportation charges and, therefore, must be paid for by the customer. Avoid them by sending remittance with order. Bulk seeds, such as Peas, Beans and Corn, in quantities, are shipped to your nearest express or freight office, transportation collect. If you wish them shipped by parcel post, please send necessary postage.

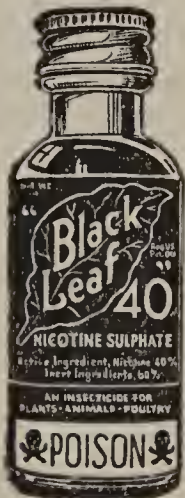
SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

SEND MONEY. Remittances should always accompany the order. Remittances may be made at our risk by any of the following methods (1st and best) **Post Office Order;** (2nd) **Bank Draft;** (3rd) **Express Company Money Order;** (4th) **Cash by Express in amounts not less than \$50;** (5th) **Registered Letters.** We also accept stamps in payment but the Postal Department asks us to discourage their use.

AN ORDER BLANK is in this catalog for your convenience. Print or write your name, post office, county and state plainly. If you have moved, give us your old address and we will change our mailing list.

WE GUARANTEE the safe arrival of your order.

NON-WARRANTY. Contingencies continually arising prevent the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop.



BLACK LEAF 40

Nicotine Sulphate is a contact spray to kill green and woolly aphis, plant lice, red spiders, cabbage aphis, onion thrips. Is very effective for use on sweet peas and roses. It is also very efficient for poultry lice control at any season of the year. Is easily applied and quite economical. Prices not prepaid: 1 oz. 35c; 5 ozs. \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 5 lbs. \$5.85; 10 lbs. \$10.60.

TOBACCO DUST, finely ground is a very effective weapon against aphis and lice on plants. Is a splendid fertilizer also and preventative for insects in the ground and around roots. Prices not prepaid: 1 lb. 10c; 3 lbs. 25c; 100 lbs. \$7.

NAPHTHALENE

Drives away grubs, wire worms, slugs, centipedes, aphis, etc. Used in treating the soil for insect pests. 1 1/2 lbs. 25c; 5-lb. 60c; 10-lb. tin, 90c. Write for prices of larger quantities.

NEW EVER GREEN SPRAY

is a liquid spray. This provides an easy way to kill garden insects and ants. Its deadly pyrethrum content kills a wide range of insects that eat leaves, destroy blossoms, or suck sap. This is non-poisonous to man or animal and will not injure the tenderest blossoms. Simply mix New Ever Green Spray with water and it is ready for use. It is mailable. Prices not prepaid: 1 oz. bottle, 35c each; 6 oz. can, \$1.00.



"DOGZOFF"

If you are bothered with dogs, cats or rabbits, "Dogzoff" is the spray you need. It is a most efficient animal repellent and one spraying will last from three to four weeks. Not poisonous to plants and will not injure animals. Not offensive to humans. Its use is guaranteed to keep these animals from any place where they are not wanted.

"Dogzoff" is applied with any small insect sprayer and one application does the work.

"Dogzoff" will save its cost many times over around the garden and home.

Price for Season's Supply
69c, prepaid.

Dirt-Proof, Washable GARDEN GLOVES

**ALL LEATHER and DURABLE yet
SOFT AS KID and EASY TO WEAR**
—for Men and Women

EEZY WEAR gives you everything you've been wanting in a garden glove: All-leather protection from dirt, scratches, stains, infection—yet permit almost barehand freedom.

Their amazing softness and **pliability** is the result of a special processing of select lamb skins. Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for **gardening, housework, yard, painting, furnace, garage, etc.** Sizes for **WOMEN** (Small, medium, large)—for **MEN** (small, medium, large). Price, 75 cents a pair, postpaid.



Germāco

Hotkaps

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Millions are sold every year. Crops mature two to three weeks earlier, and bring premium prices.

Prices: 1000 for \$10.25; 250 package with Setter and Tamper, \$3.85; 100 package with Setter and Tamper, \$2.65; **HOTKAP Home Garden Package**, 25 Hotkaps and Fibreboard Setter, 50c; Steel Setter, \$1.50; Garden Setter, 50c; Tamper, 25c. Postage extra.



**HOTKAPS—An Individual
Hothouse for Every Plant!**



NEW SCABIOSA GRANDIFLORA ROSETTE

A glorious new color in Annual Scabiosa. Rosette is a beautiful shade of deep rose heavily suffused with salmon. The flowers are extra large and the stems are long and stiff. This glorious, glowing new color will undoubtedly make Rosette a most popular flower for the garden and also with the florist for cutting. It is a fitting companion to Loveliness, Peach Blossom and Shasta, all of which have received Awards of Merit from the Royal Horticultural Society. **Pkt. 25c.**



MARIGOLD, DWARF ROYAL SCOT, ALDDOUBLE

Special Mention, All-America Selections 1937

Royal Scot is a new achievement in Marigolds, new in color and new in that it is dwarf and double. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 inches. Color is a rich mahogany and gold in uniform stripes. It is a splendid plant for borders and blooms for a long period from mid-summer until frost. **Pkt. 25c.**

PANSY, SWISS GIANT

This is a remarkably fine improved strain of Pansies for the home gardener. The plants are compact in habit, producing immense circular flowers over a long blooming season. You will be surprised at the fine range of attractive shades. **Pkt. 50c.**





JACK HOBBS

AMBITION

WHAT JOY

RUBICUND

SMILES

POWERSCOURT

WARRIOR

PINKIE

EIGHT PACKETS - One packet each of the above named varieties, 50c